

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

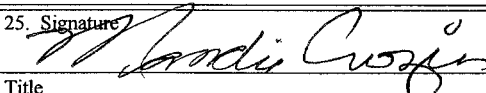
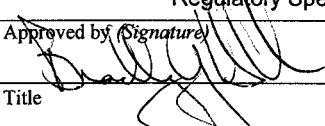
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-096547
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Jonah Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Jonah Federal N-14-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34011
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1823' FSL 547' FWL At proposed prod. zone NE 2540' FSL 1325' FWL		10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 14, T9S R16E		12. County or Parish Duchesne
13. State UT		
14. Distance in miles and direction from nearest town or post office* Approximatley 17.2 miles southwest of Myton, Utah	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1325' f/lease, 2540' f/unit	16. No. of Acres in lease 600.00
17. Spacing Unit dedicated to this well 20 Acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1474'	19. Proposed Depth 6005'
20. BLM/BIA Bond No. on file WYB000493	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5682' GL	22. Approximate date work will start* 4th Quarter 2008
23. Estimated duration Approximately seven (7) days from spud to rig release.		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 6/20/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 07-07-08
Title ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED
JUN 25 2008
DIV. OF OIL, GAS & MINING

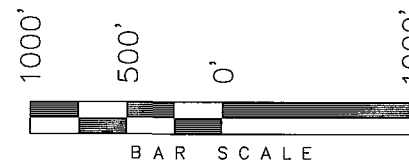
Federal Approval of this
Action is Necessary

577591X
4431334Y
40.030552
-110.090635

577356X
443110Y
40.028551
-110.093419

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT N-14-9-16,
LOCATED AS SHOWN IN THE NW 1/4 SW
1/4 OF SECTION 14, T9S, R16E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W
STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 40377
STATE OF TEXAS

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED:
03-05-08


SURVEYED BY: T.H.

DATE DRAWN:
04-22-08

DRAWN BY: F.T.M.

REVISÉ:

SCALE: 1" = 1000'

 = SECTION CORNERS LOCATED

BASIS OF ELEV;

U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT N-14-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 42.85"
LONGITUDE = 110° 05' 38.56"

**NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL N-14-9-16
AT SURFACE: NW/SW SECTION 14, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1464'
Green River	1464'
Wasatch	6005'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1464' – 6005' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL N-14-9-16
AT SURFACE: NW/SW SECTION 14, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal N-14-9-16 located in the NW 1/4 SW 1/4 Section 14, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly - 9.2 miles \pm to it's junction with an existing dirt road to the southwest; proceed southwesterly - 4.7 miles \pm to it's junction with an existing road to the southeast; proceed in a southeasterly direction - 0.9 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 0.6 miles \pm to it's junction with the beginning of the access road to the existing Jonah Federal 12-14-9-16 well location.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Jonah Federal 12-14-9-16 well pad. See attached Topographic Map "B".

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

The proposed well will be drilled directionally off of the Jonah Federal 12-14-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal N-14-9-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-10136

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Jonah Federal N-14-9-16 will be drilled off of the existing Jonah Federal 12-14-9-16 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 1880' of disturbed area be granted in Lease UTU-096547 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 1880' of proposed water injection line are attached. MOAC Report #04-44, 5/5/03 and AERC Project # UT-95-AF-065B. Paleontological Resource Survey prepared by, Wade E. Miller, 1/8/04 and Alden H. Hamblin, 12/29/94. See attached report cover pages, Exhibit "D".

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction

survey by a qualified biologist), the operator may construct and drill the location between July 15 and Feb. 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Reserve Pit Liner

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

Details of the On-Site Inspection

The proposed Jonah Federal N-14-9-16 was on-sited on 5/14/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), Dan Emmett (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Dave Allred
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721


Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-14-9-16 NW/SW Section 14, Township 9S, Range 16E: Lease UTU-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

6/20/08

Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: Plan #1

Newfield Exploration Co.

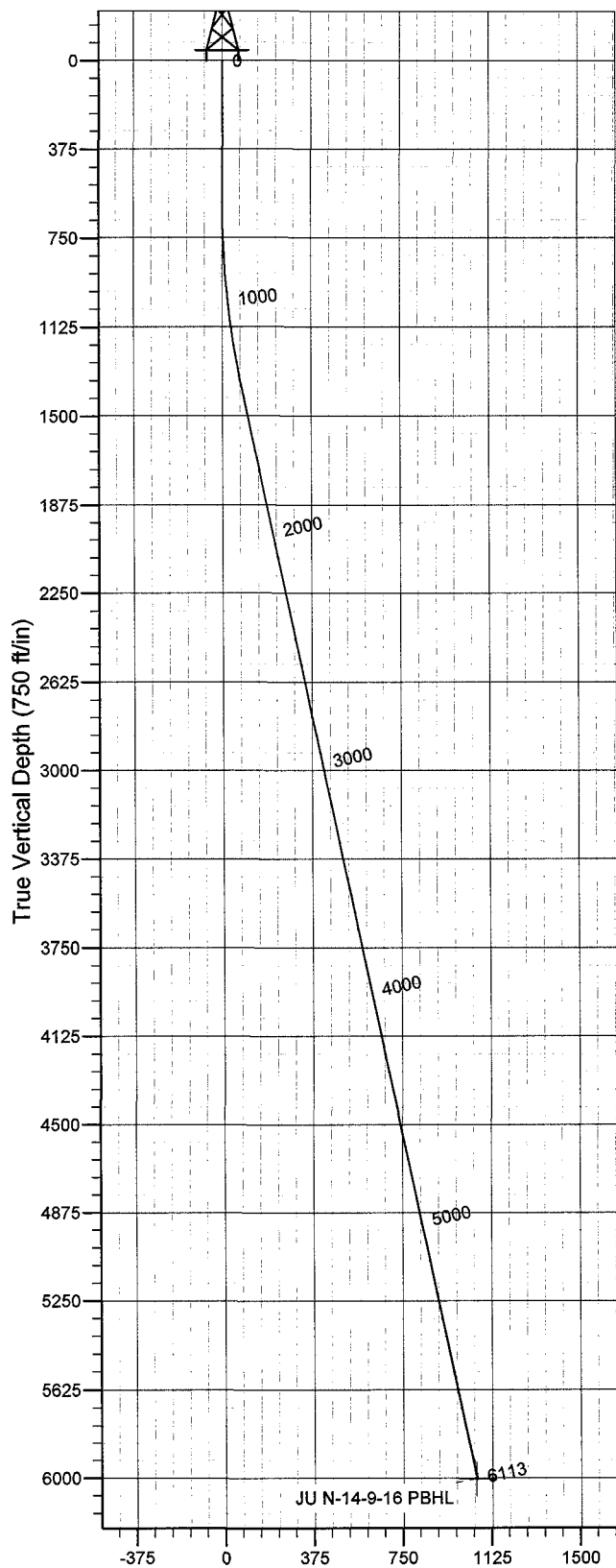


Azimuths to True North
Magnetic North: 11.70°

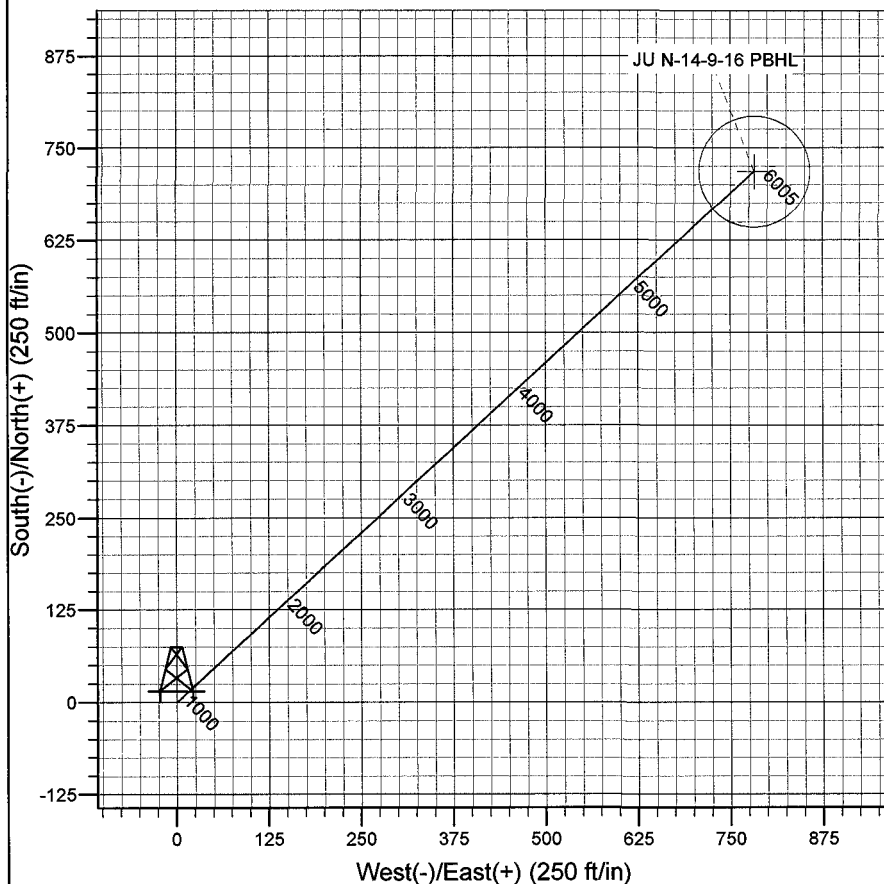
Magnetic Field
Strength: 52578.2snT
Dip Angle: 65.86°
Date: 2008-06-10
Model: IGRF2005-10

WELL DETAILS: Jonah Unit N-14-9-16

GL 5682' & RKB 12' @ 5694.00ft 5682.00
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 7182238.66 2034099.46 40° 1' 42.850 N 110° 5' 38.560 W



Vertical Section at 47.44° (750 ft/in)



Plan: Plan #1 (Jonah Unit N-14-9-16/OH)

Created By: Julie Cruse Date: 2008-06-10

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
Location:
System Datum: Mean Sea Level
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1398.66	11.98	47.44	1392.85	56.27	61.28	1.50	47.44	83.19	
6113.49	11.98	47.44	6005.00	718.19	782.12	0.00	0.00	1061.84	JU N-14-9-16 PBHL

Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Jonah Unit

Jonah Unit N-14-9-16

OH

Plan: Plan #1

Standard Planning Report

10 June, 2008

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft
MD Reference: GL 5682' & RKB 12' @ 5694.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Jonah Unit,			
Site Position:		Northing:	7,195,384.71 ft	Latitude: 40° 3' 51.060 N
From:	Lat/Long	Easting:	2,044,880.81 ft	Longitude: 110° 3' 17.240 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence: 0.93 °

Well	Jonah Unit N-14-9-16, 1823' FSL 547' FWL Sec 14 T9S R16E			
Well Position	+N/-S	0.00 ft	Northing:	7,182,238.66 ft
	+E/-W	0.00 ft	Easting:	2,034,099.46 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level: 5,682.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-06-10	11.70	65.86	52,578

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	47.44

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,398.66	11.98	47.44	1,392.85	56.27	61.28	1.50	1.50	0.00	47.44	
6,113.49	11.98	47.44	6,005.00	718.19	782.12	0.00	0.00	0.00	0.00	JU N-14-9-16 PBHL

Scientific Drilling

Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft
MD Reference: GL 5682' & RKB 12' @ 5694.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	47.44	699.99	0.89	0.96	1.31	1.50	1.50	0.00
800.00	3.00	47.44	799.91	3.54	3.86	5.23	1.50	1.50	0.00
900.00	4.50	47.44	899.69	7.96	8.67	11.77	1.50	1.50	0.00
1,000.00	6.00	47.44	999.27	14.15	15.41	20.92	1.50	1.50	0.00
1,100.00	7.50	47.44	1,098.57	22.10	24.07	32.68	1.50	1.50	0.00
1,200.00	9.00	47.44	1,197.54	31.81	34.64	47.03	1.50	1.50	0.00
1,300.00	10.50	47.44	1,296.09	43.26	47.11	63.96	1.50	1.50	0.00
1,398.66	11.98	47.44	1,392.85	56.27	61.28	83.19	1.50	1.50	0.00
1,400.00	11.98	47.44	1,394.16	56.46	61.48	83.47	0.00	0.00	0.00
1,500.00	11.98	47.44	1,491.99	70.49	76.77	104.23	0.00	0.00	0.00
1,600.00	11.98	47.44	1,589.81	84.53	92.06	124.98	0.00	0.00	0.00
1,700.00	11.98	47.44	1,687.63	98.57	107.35	145.74	0.00	0.00	0.00
1,800.00	11.98	47.44	1,785.45	112.61	122.64	166.50	0.00	0.00	0.00
1,900.00	11.98	47.44	1,883.27	126.65	137.93	187.25	0.00	0.00	0.00
2,000.00	11.98	47.44	1,981.10	140.69	153.21	208.01	0.00	0.00	0.00
2,100.00	11.98	47.44	2,078.92	154.73	168.50	228.77	0.00	0.00	0.00
2,200.00	11.98	47.44	2,176.74	168.77	183.79	249.52	0.00	0.00	0.00
2,300.00	11.98	47.44	2,274.56	182.81	199.08	270.28	0.00	0.00	0.00
2,400.00	11.98	47.44	2,372.38	196.85	214.37	291.04	0.00	0.00	0.00
2,500.00	11.98	47.44	2,470.21	210.89	229.66	311.79	0.00	0.00	0.00
2,600.00	11.98	47.44	2,568.03	224.93	244.95	332.55	0.00	0.00	0.00
2,700.00	11.98	47.44	2,665.85	238.96	260.24	353.31	0.00	0.00	0.00
2,800.00	11.98	47.44	2,763.67	253.00	275.52	374.06	0.00	0.00	0.00
2,900.00	11.98	47.44	2,861.50	267.04	290.81	394.82	0.00	0.00	0.00
3,000.00	11.98	47.44	2,959.32	281.08	306.10	415.58	0.00	0.00	0.00
3,100.00	11.98	47.44	3,057.14	295.12	321.39	436.34	0.00	0.00	0.00
3,200.00	11.98	47.44	3,154.96	309.16	336.68	457.09	0.00	0.00	0.00
3,300.00	11.98	47.44	3,252.78	323.20	351.97	477.85	0.00	0.00	0.00
3,400.00	11.98	47.44	3,350.61	337.24	367.26	498.61	0.00	0.00	0.00
3,500.00	11.98	47.44	3,448.43	351.28	382.55	519.36	0.00	0.00	0.00
3,600.00	11.98	47.44	3,546.25	365.32	397.84	540.12	0.00	0.00	0.00
3,700.00	11.98	47.44	3,644.07	379.36	413.12	560.88	0.00	0.00	0.00
3,800.00	11.98	47.44	3,741.89	393.39	428.41	581.63	0.00	0.00	0.00
3,900.00	11.98	47.44	3,839.72	407.43	443.70	602.39	0.00	0.00	0.00
4,000.00	11.98	47.44	3,937.54	421.47	458.99	623.15	0.00	0.00	0.00
4,100.00	11.98	47.44	4,035.36	435.51	474.28	643.90	0.00	0.00	0.00
4,200.00	11.98	47.44	4,133.18	449.55	489.57	664.66	0.00	0.00	0.00
4,300.00	11.98	47.44	4,231.00	463.59	504.86	685.42	0.00	0.00	0.00
4,400.00	11.98	47.44	4,328.83	477.63	520.15	706.17	0.00	0.00	0.00
4,500.00	11.98	47.44	4,426.65	491.67	535.43	726.93	0.00	0.00	0.00
4,600.00	11.98	47.44	4,524.47	505.71	550.72	747.69	0.00	0.00	0.00
4,700.00	11.98	47.44	4,622.29	519.75	566.01	768.44	0.00	0.00	0.00
4,800.00	11.98	47.44	4,720.11	533.79	581.30	789.20	0.00	0.00	0.00
4,900.00	11.98	47.44	4,817.94	547.82	596.59	809.96	0.00	0.00	0.00
5,000.00	11.98	47.44	4,915.76	561.86	611.88	830.71	0.00	0.00	0.00
5,100.00	11.98	47.44	5,013.58	575.90	627.17	851.47	0.00	0.00	0.00
5,200.00	11.98	47.44	5,111.40	589.94	642.46	872.23	0.00	0.00	0.00

Scientific Drilling Planning Report

Database: EDM 2003.16 Multi-User Db
Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft
MD Reference: GL 5682' & RKB 12' @ 5694.00ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	11.98	47.44	5,209.22	603.98	657.75	892.98	0.00	0.00	0.00
5,400.00	11.98	47.44	5,307.05	618.02	673.03	913.74	0.00	0.00	0.00
5,500.00	11.98	47.44	5,404.87	632.06	688.32	934.50	0.00	0.00	0.00
5,600.00	11.98	47.44	5,502.69	646.10	703.61	955.26	0.00	0.00	0.00
5,700.00	11.98	47.44	5,600.51	660.14	718.90	976.01	0.00	0.00	0.00
5,800.00	11.98	47.44	5,698.33	674.18	734.19	996.77	0.00	0.00	0.00
5,900.00	11.98	47.44	5,796.16	688.22	749.48	1,017.53	0.00	0.00	0.00
6,000.00	11.98	47.44	5,893.98	702.25	764.77	1,038.28	0.00	0.00	0.00
6,100.00	11.98	47.44	5,991.80	716.29	780.06	1,059.04	0.00	0.00	0.00
6,113.49	11.98	47.44	6,005.00	718.19	782.12	1,061.84	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
JU N-14-9-16 PBHL - plan hits target center - Circle (radius 75.00)	0.00	0.00	6,005.00	718.19	782.12	7,182,969.05	2,034,870.20	40° 1' 49.948 N	110° 5' 28.505 W

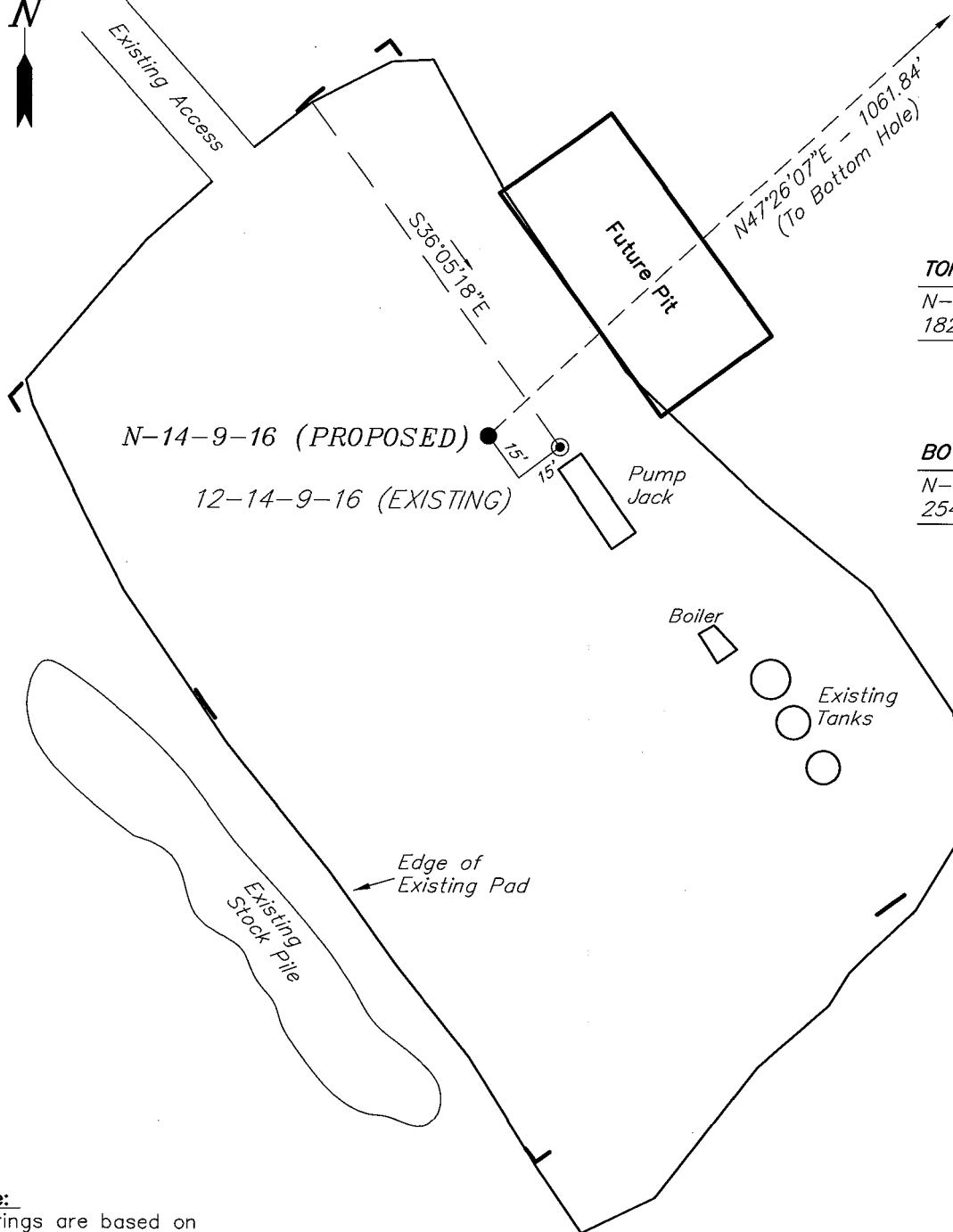
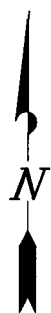
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

JONAH UNIT N-14-9-16 (Proposed Well)

JONAH UNIT 12-14-9-16 (Existing Well)

Pad Location: NWSW Section 14, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

N-14-9-16 (PROPOSED)
1823' FSL & 547' FWL

BOTTOM HOLE FOOTAGES

N-14-9-16 (PROPOSED)
2540' FSL & 1325' FWL

Note:

Bearings are based on
GLO Information.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
N-14-9-16	718'	782'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
N-14-9-16	40° 01' 42.85"	110° 05' 38.56"
12-14-9-16	40° 01' 42.82"	110° 05' 38.29"

SURVEYED BY: T.H. DATE SURVEYED: 03-05-08
 DRAWN BY: F.T.M. DATE DRAWN: 04-22-08
 SCALE: 1" = 50' REVISED:

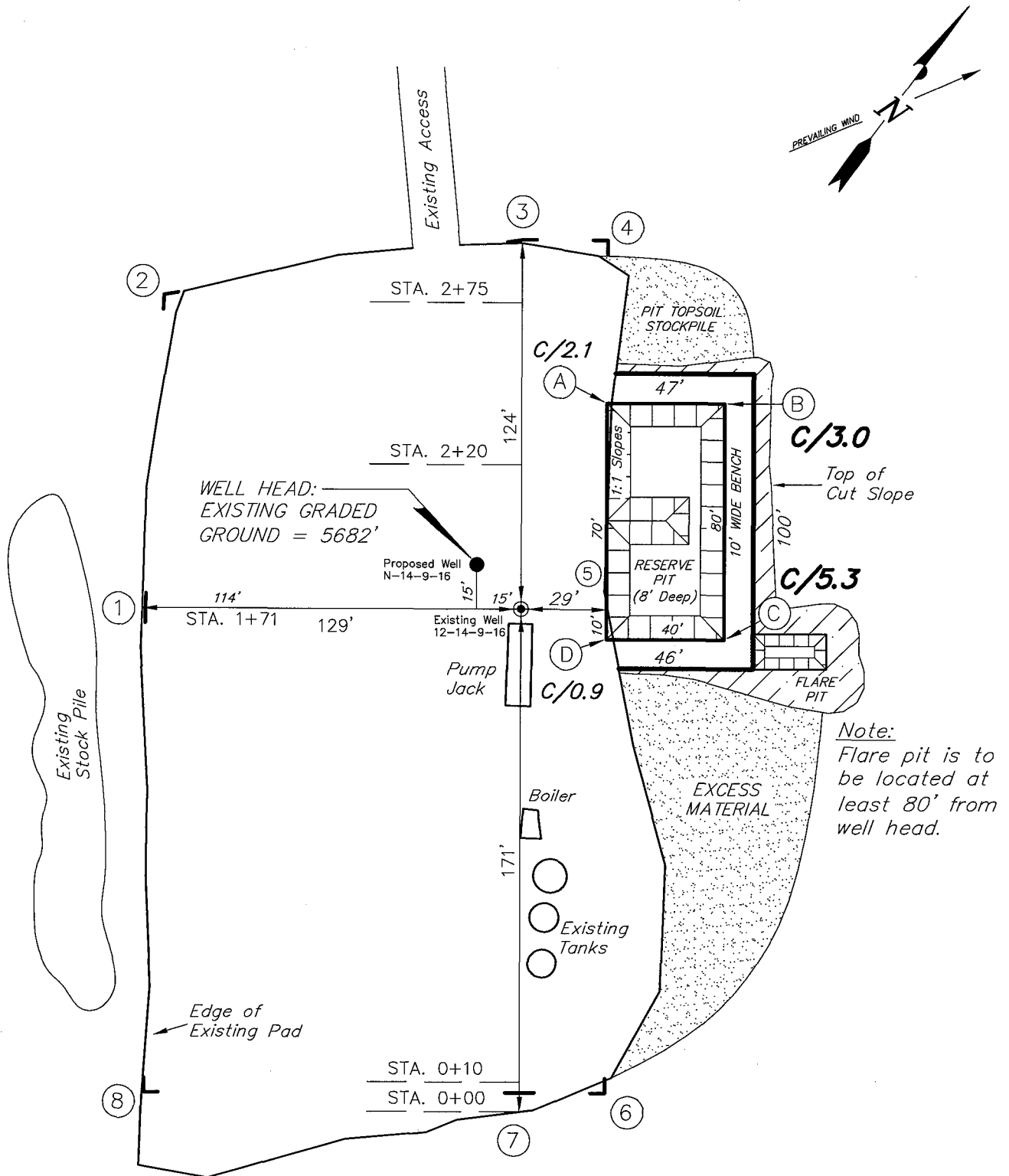
Tri State (435) 781-2501
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

JONAH UNIT N-14-9-16 (Proposed Well)

JONAH UNIT 12-14-9-16 (Existing Well)

Pad Location: NWSW Section 14, T9S, R16E, S.L.B.&M.



SURVEYED BY: T.H.

DATE SURVEYED: 03-05-08

DRAWN BY: F.T.M.

DATE DRAWN: 04-22-08

SCALE: 1" = 50'

REVISED:

Tri State
Land Surveying, Inc.

(435) 781-2501

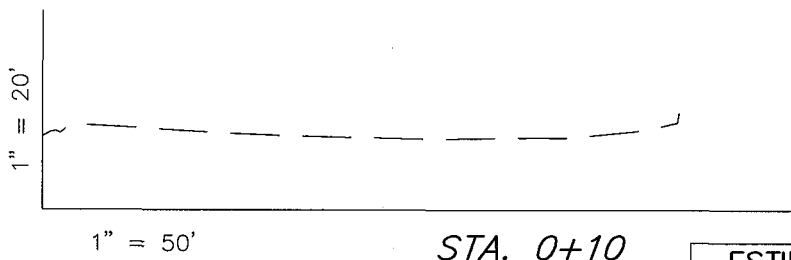
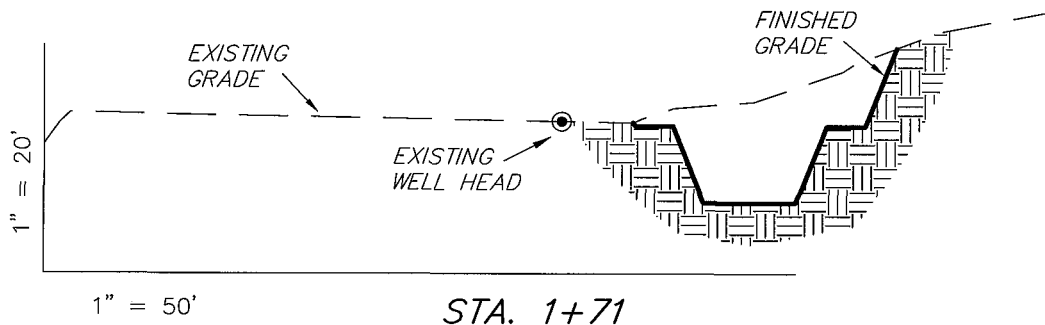
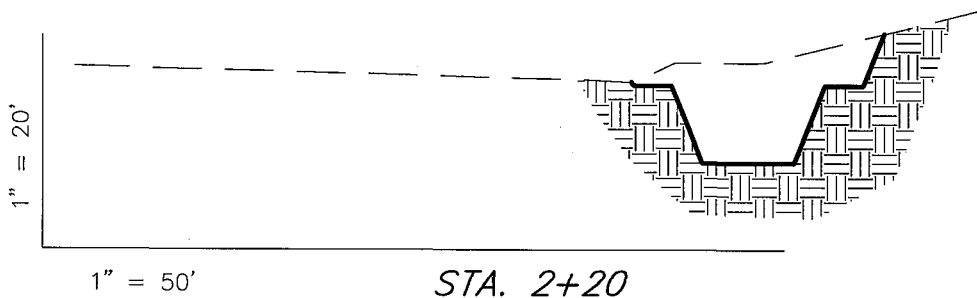
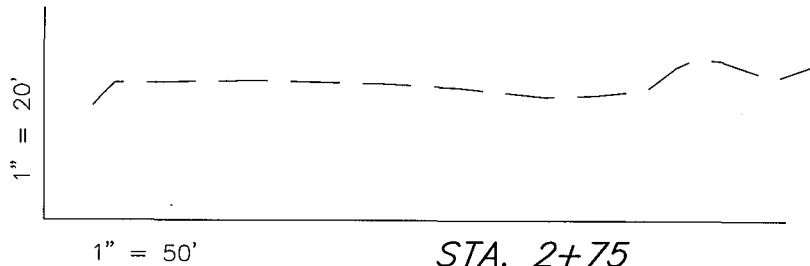
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

JONAH UNIT N-14-9-16 (Proposed Well)

JONAH UNIT 12-14-9-16 (Existing Well)



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	990	0	Topsoil is not included in Pad Cut	990
PIT	640	0		640
TOTALS	1,630	0	150	1,630

SURVEYED BY: T.H.	DATE SURVEYED: 03-05-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-22-08
SCALE: 1" = 50'	REVISED:

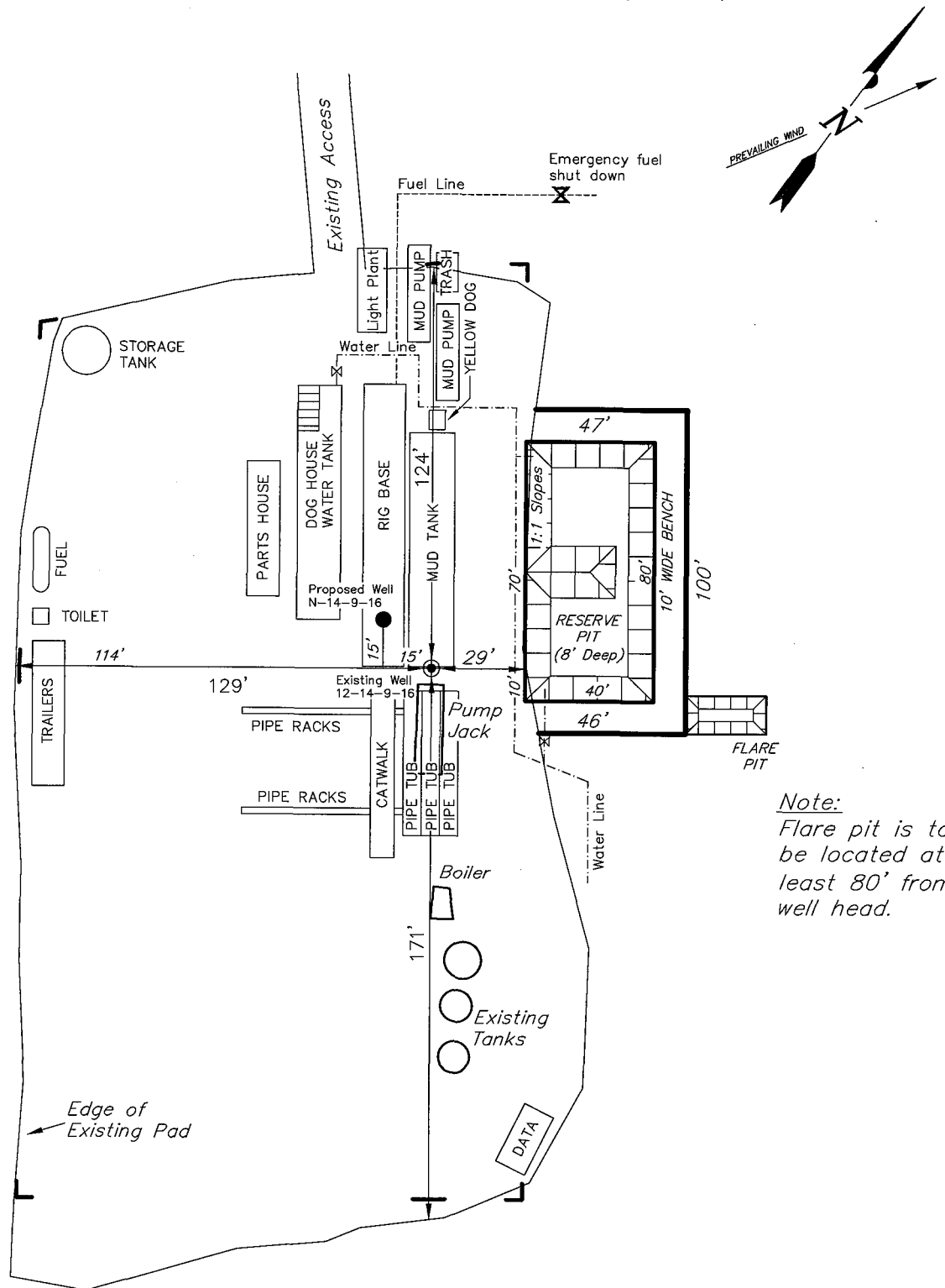
Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

JONAH UNIT N-14-9-16 (Proposed Well)

JONAH UNIT 12-14-9-16 (Existing Well)



Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 03-05-08
DRAWN BY: F.T.M.	DATE DRAWN: 04-22-08
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Newfield Production Company

Proposed Site Facility Diagram

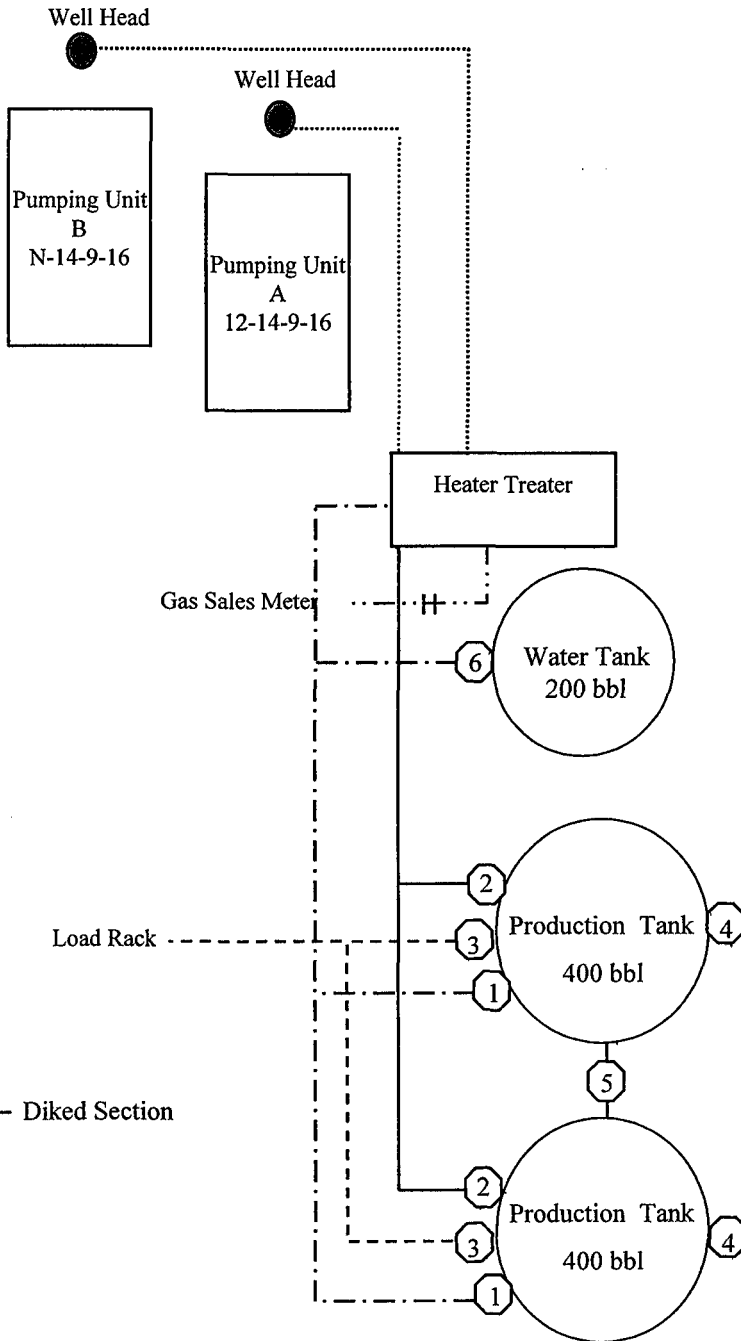
Jonah Federal N-14-9-16

From the 12-14-9-16 Location

NW/SW Sec. 14 T9S, R16E

Duchesne County, Utah

UTU-096547



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

Sales Phase:

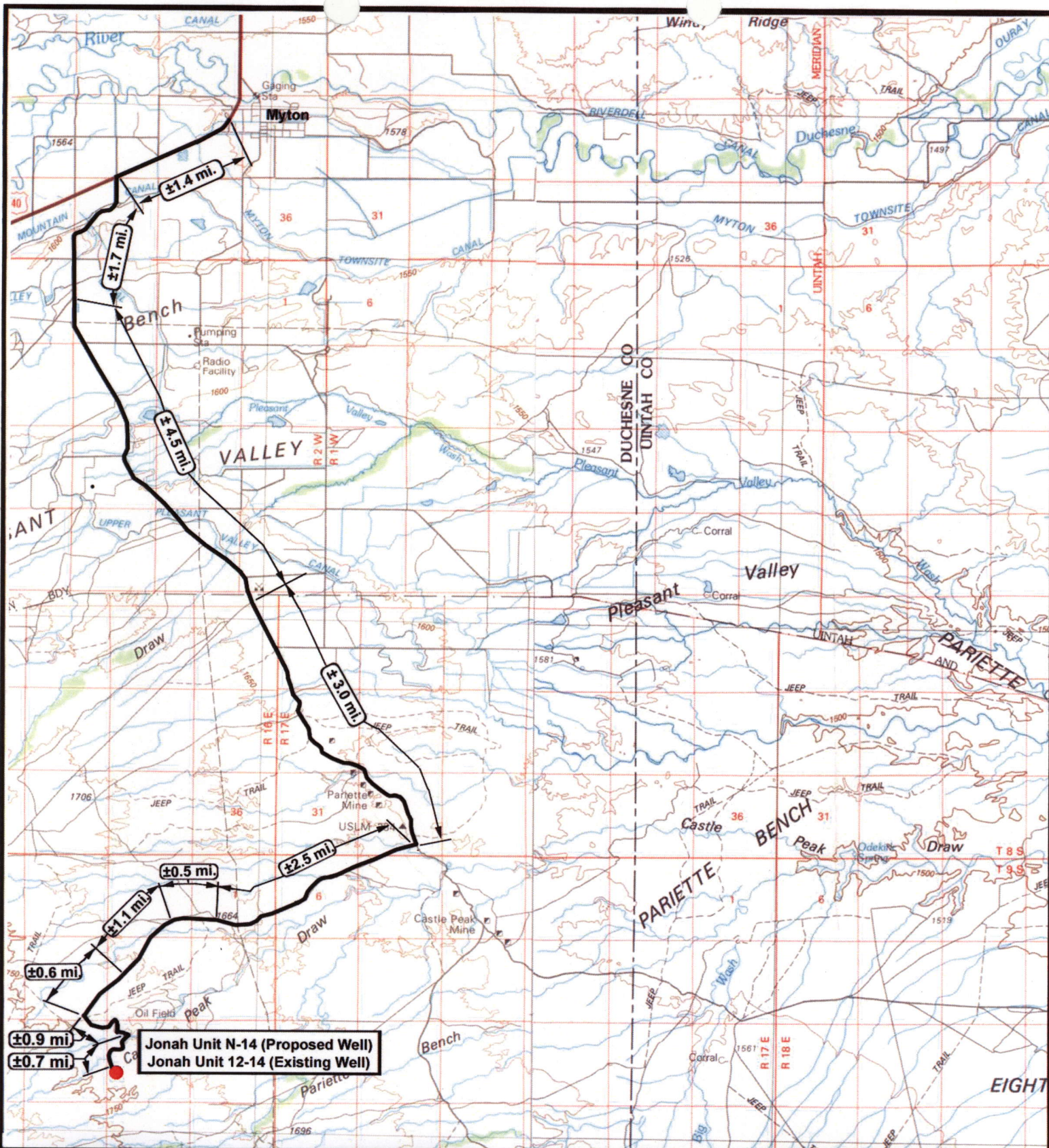
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

Draining Phase:

- 1) Valves 1 and 6 open

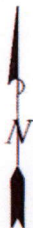
Legend

Emulsion Line
Load Rack	-----
Water Line	-----
Gas Sales	-----
Oil Line	-----



NEWFIELD
Exploration Company

Jonah Unit N-14-9-16 (Proposed Well)
Jonah Unit 12-14-9-16 (Existing Well)
Pad Location: NWSW SEC. 14, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

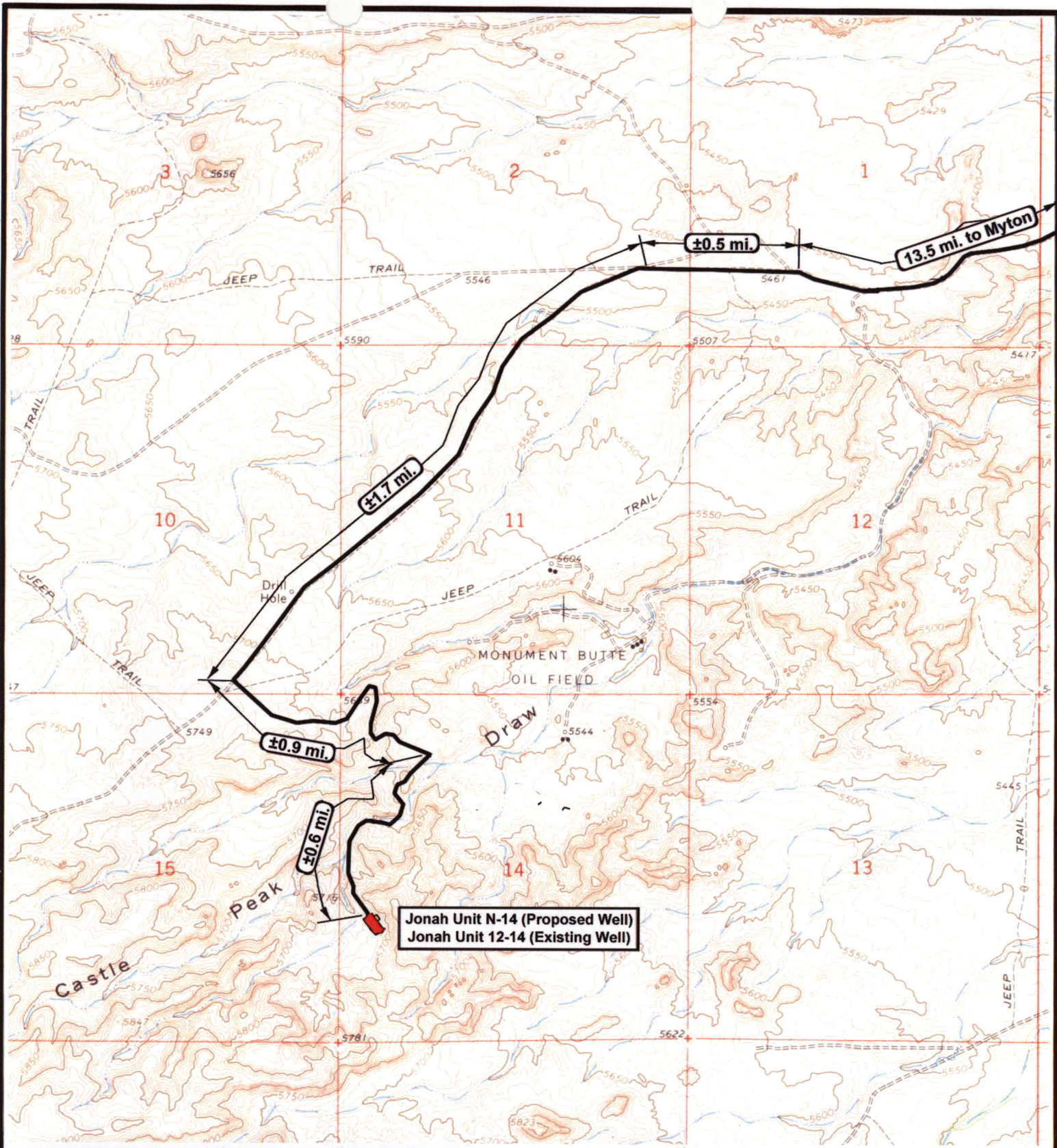
SCALE: 1:100,000
DRAWN BY: nc
DATE: 04-24-2008

Legend

Existing Road

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

Jonah Unit N-14-9-16 (Proposed Well)
Jonah Unit 12-14-9-16 (Existing Well)
Pad Location NWSW SEC. 14, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

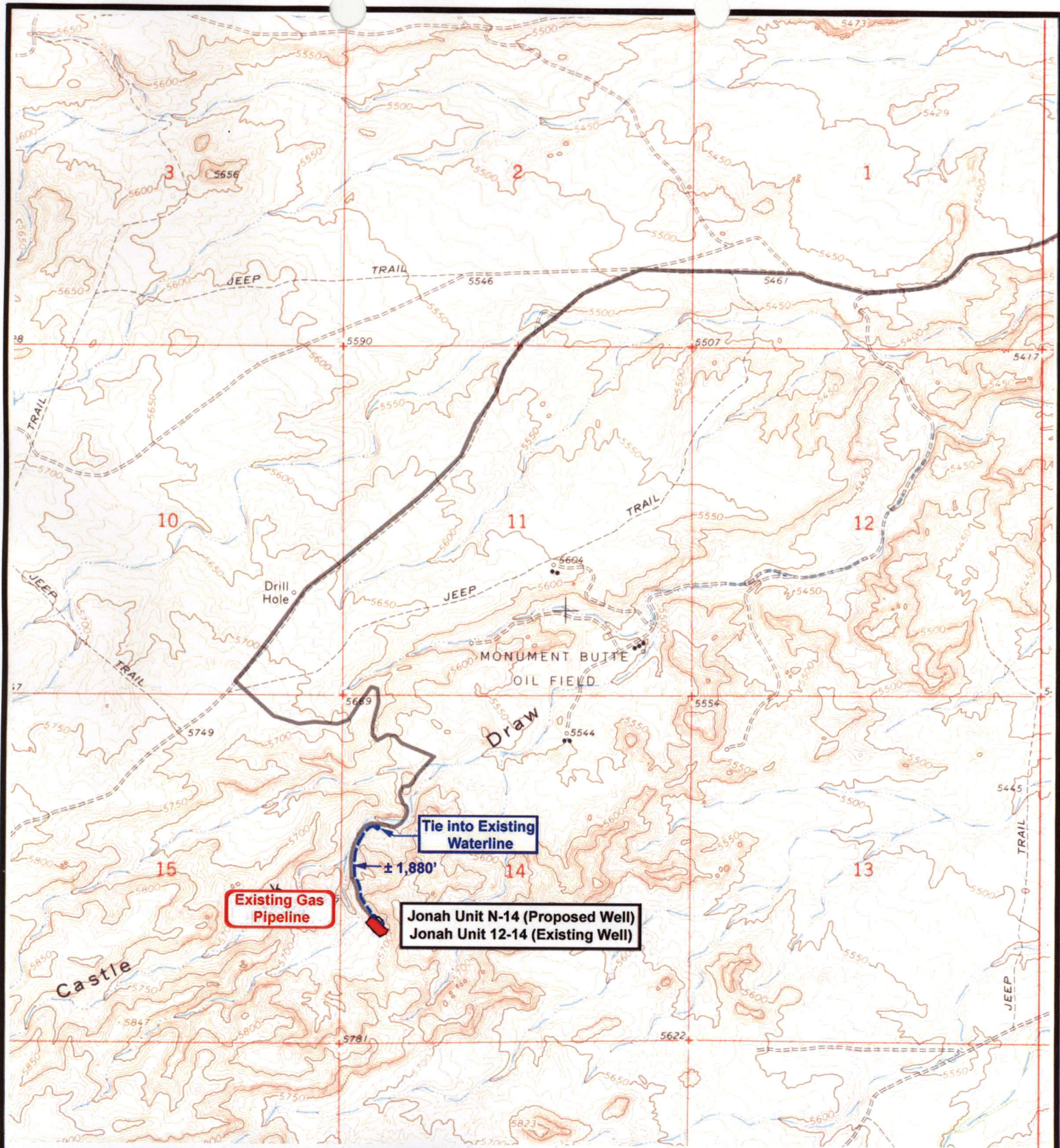
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DRAWN BY: nc
DATE: 04-24-2008

Legend

Existing Road

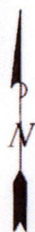
TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

Jonah Unit N-14-9-16 (Proposed Well)
Jonah Unit 12-14-9-16 (Existing Well)
Pad Location NWSW SEC. 14, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

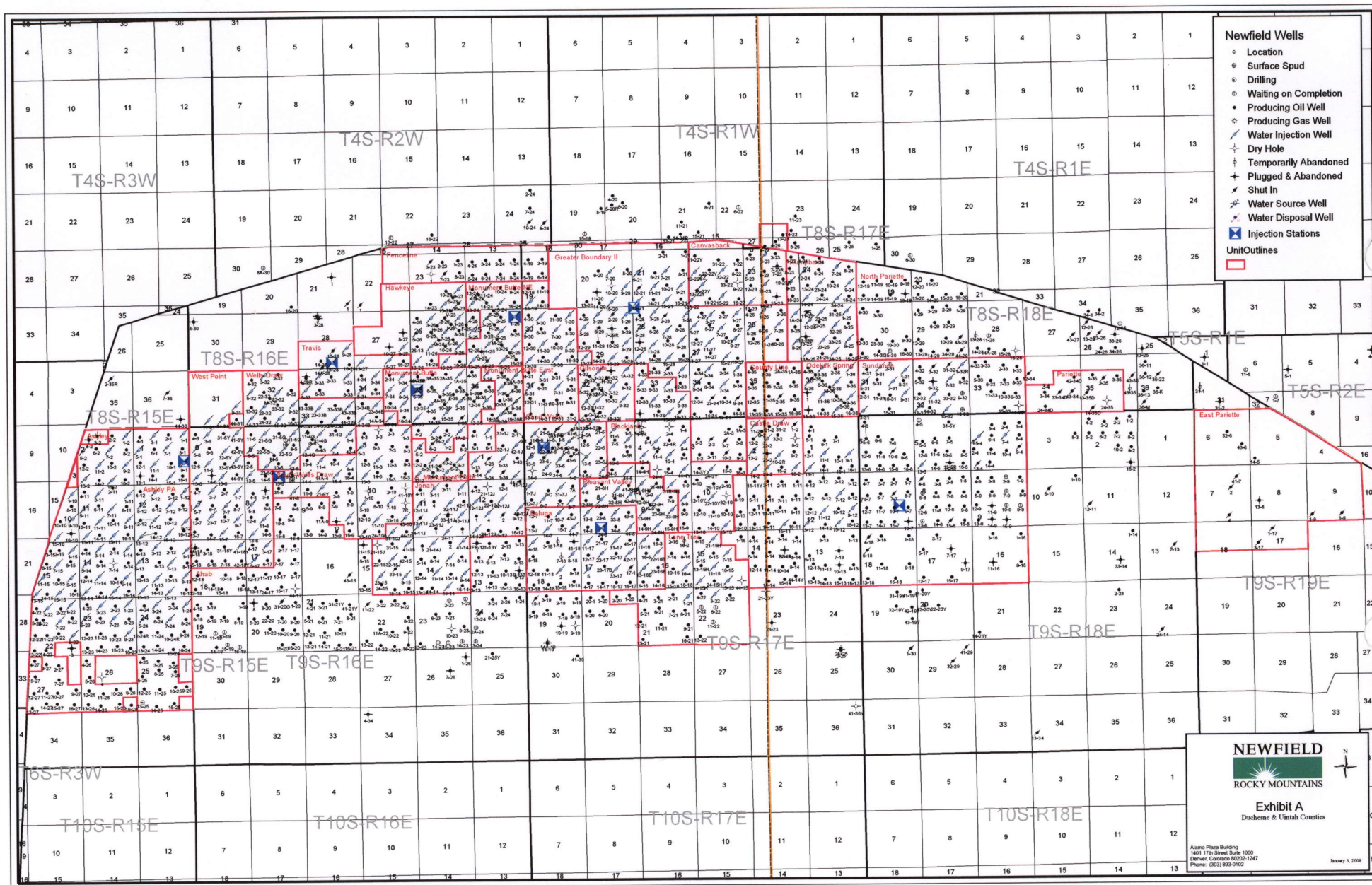
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DRAWN BY: nc
DATE: 04-22-2008

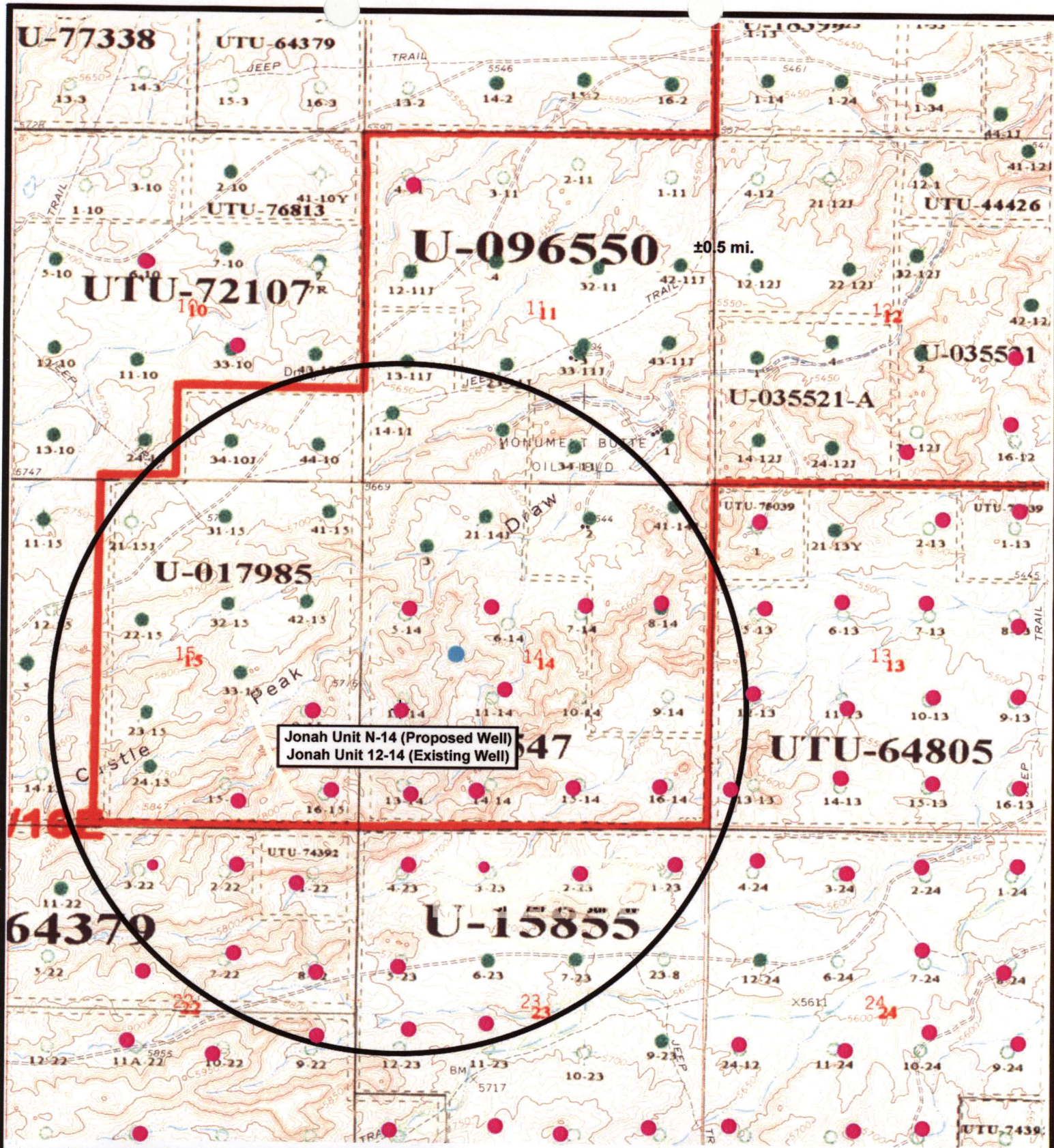
Legend

Roads
 Proposed Water Line

TOPOGRAPHIC MAP

"C"





NEWFIELD
Exploration Company

Jonah Unit N-14-9-16 (Proposed Well)
Jonah Unit 12-14-9-16 (Existing Well)
 Pad Location NWSW SEC. 14, T9S, R16E, S.L.B.&M.

Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: nc
DATE: 04-24-2008

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

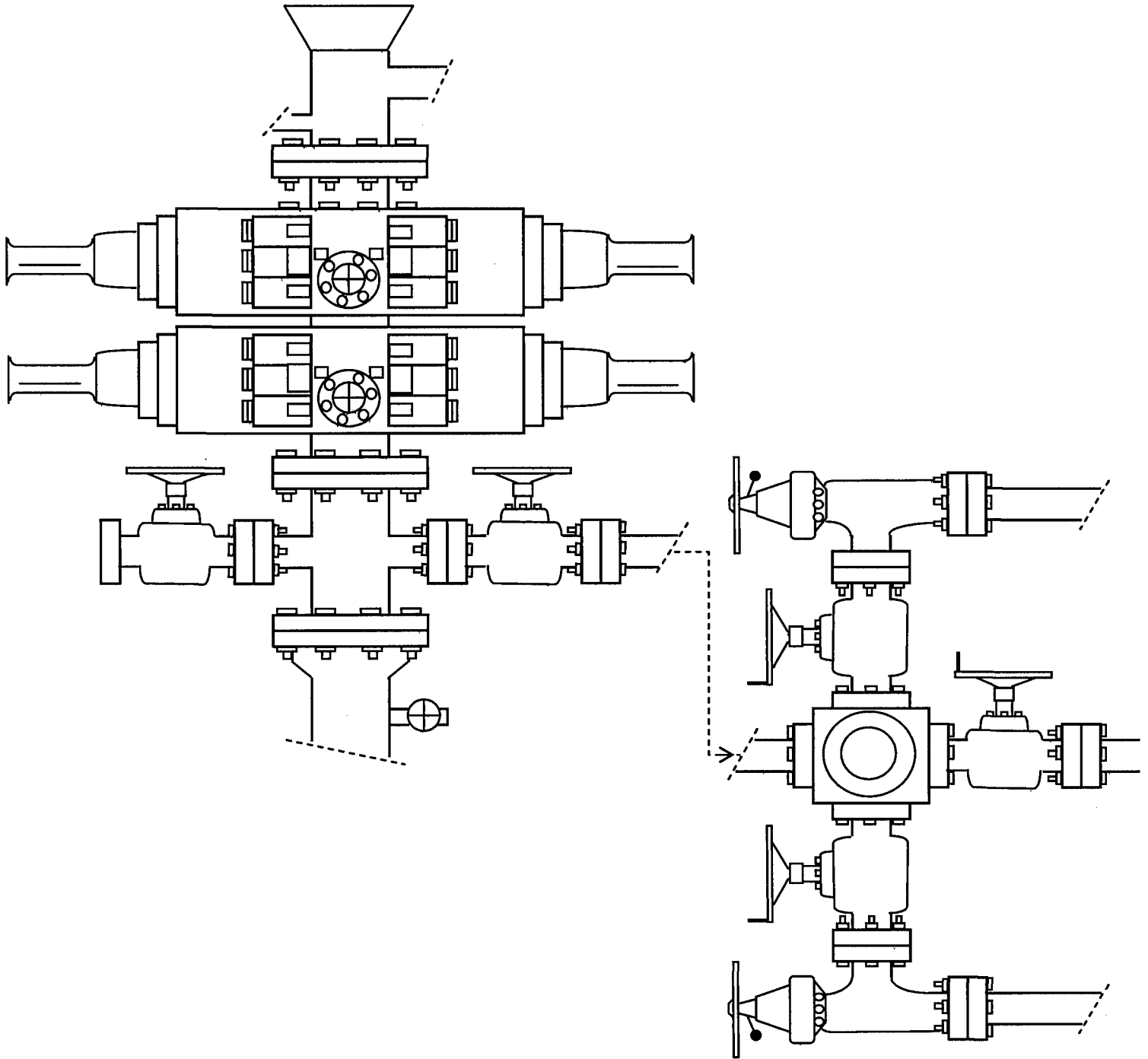


EXHIBIT C

Exhibit "D"
1 of 4

CULTURAL RESOURCE INVENTORY OF INLAND
RESOURCES BLOCK PARCELS (T9S, R16E, SEC. 13 & 14)
NEAR CASTLE PEAK DRAW, DUCHESNE COUNTY, UTAH.

by

Katie Simon
and
Keith Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Inland Resources
Route 3 Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 04-44

May 5, 2003

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-0328b

CULTURAL RESOURCE EVALUATION

OF PROPOSED WELL LOCATIONS AND ACCESS ROUTES

IN THE MONUMENT BUTTES LOCALITY

OF DUCHESNE COUNTY, UTAH

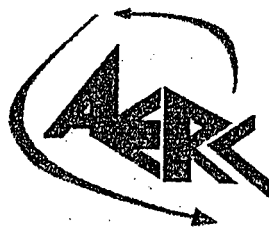
Report Prepared for Balcron Oil Company

**Dept. of Interior Permit No.: UT-95-54937
AERC Project 1465 & 1471 (BLCR-95-1 & 2)**

Utah State Project No.: UT-95-AF-065b

**Principal Investigator
F. Richard Hauck, Ph.D.**

**Authors of the Report
F. Richard Hauck & Glade V Hadden**



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

**181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853**

March 6, 1995

384

BALCRON OIL

Balcron Monument Federal #22-14J

SE NW Section 14, T9S, R16E, SLB&M

Duchesne County, Utah

H MF 22-14J

. PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

**ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078**

DECEMBER 29, 1994

INLAND RESOURCES, INC.

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE COUNTY, UTAH**

(NE 1/4, SE 1/4, Sec. 10, T 9 S, R 17 E; SE 1/4, NW 1/4 &
SW 1/4, NE 1/4, Sec. 29, T 8 S, R 17 E; South 1/2 Sec. 14
T 9 S, R 16 E; and NW 1/4, Sec. 13, T 9 S, R 16 E)

REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
January 8, 2004

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/25/2008

API NO. ASSIGNED: 43-013-34011

WELL NAME: JONAH FED N-14-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

NWSW 14 090S 160E

SURFACE: 1823 FSL 0547 FWL

BOTTOM: 2540 FSL 1325 FWL

COUNTY: DUCHESNE

LATITUDE: 40.02855 LONGITUDE: -110.0934

UTM SURF EASTINGS: 577356 NORTHINGS: 4431110

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-096547

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 43-10136)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.

Unit: JONAH (GRRV)

☐ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

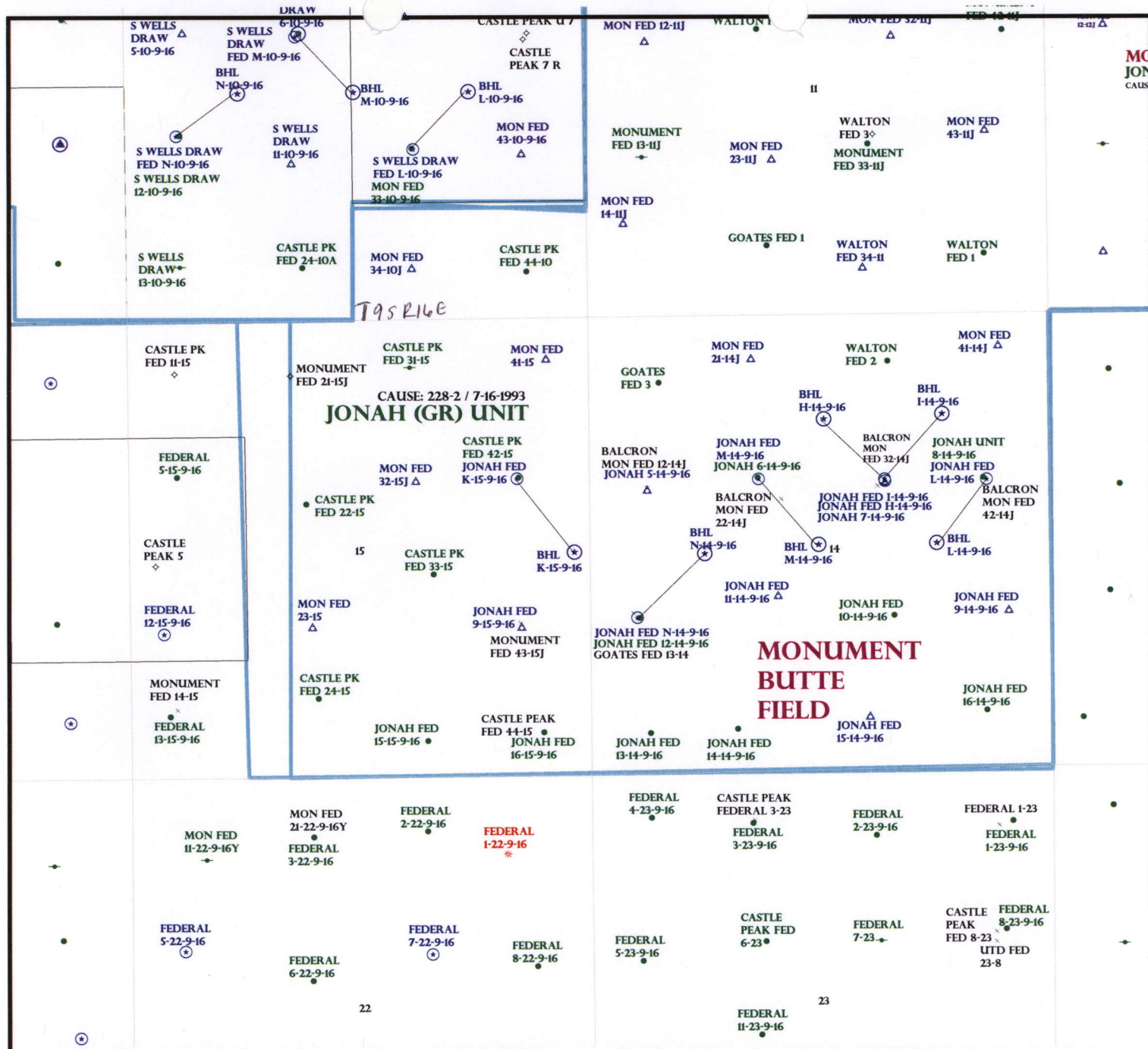
☐ R649-3-3. Exception

☒ Drilling Unit
Board Cause No: 228-2
Eff Date: 7-16-1993
Siting: *Does not Suspend General Siting*

☒ R649-3-11. Directional Drill

COMMENTS: *See Separate Re*

STIPULATIONS: *1- Federal Approval*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 14,15 T.9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 228-2 / 7-16-1993



OIL, GAS & MINING



PREPARED BY: DIANA MASON
DATE: 26-JUNE-2008

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 26, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Jonah Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Jonah Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-34010	Jonah Fed S-12-9-16	Sec 12 T09S R16E 0880 FSL 0842 FEL BHL Sec 12 T09S R16E 1265 FSL 1605 FEL
43-013-34011	Jonah Fed N-14-9-16	Sec 14 T09S R16E 1823 FSL 0547 FWL BHL Sec 14 T09S R16E 2540 FSL 1325 FWL
43-013-34012	Jonah Fed H-14-9-16	Sec 14 T09S R16E 1899 FNL 1909 FEL BHL Sec 14 T09S R16E 1195 FNL 2595 FEL
43-013-34013	Jonah Fed I-14-9-16	Sec 14 T09S R16E 1919 FNL 1900 FEL BHL Sec 14 T09S R16E 1148 FNL 1243 FEL
43-013-34014	Jonah Fed K-15-9-16	Sec 15 T09S R16E 1839 FNL 0820 FEL BHL Sec 15 T09S R16E 2590 FSL 0170 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard



June 30, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Jonah Federal N-14-9-16
Jonah Unit
UTU-72086A
Surface Hole: T9S R16E, Section 14: NWSW
1823' FSL 547' FWL
Bottom Hole: T9S R16E, Section 14
2540' FSL 1325' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated June 20, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Unit UTU-72086A. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com. Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland
Land Associate

RECEIVED

JUL 02 2008

DIV. OF OIL, GAS & MINING

Form 1500-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No. UTU-096547	
6. If Indian, Allottee, or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. Jonah Unit	
8. Lease Name and Well No. Jonah Federal N-14-9-16	
9. API Well No.	
10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 14, T9S R16E	
12. County or Parish Duchesne	
13. State UT	
14. Distance in miles and direction from nearest town or post office* Approximately 17.2 miles southwest of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1325' to lease, 2540' to unit	
16. No. of Acres in lease 00.00	
17. Spacing Unit dedicated to this well 20 Acres	
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1474'	
19. Proposed Depth 6005'	
20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5682' GL	
22. Approximate date work will start* 4th Quarter 2008	
23. Estimated duration Approximately seven (7) days from spud to rig release.	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name (Printed/Typed) Mandie Crozier	Date 6/20/08
Title Regulatory Specialist		
Approved by (Signature)	Name (Printed/Typed)	Date
Title Office		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

JUL 02 2008

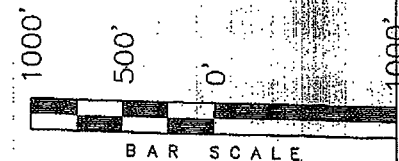
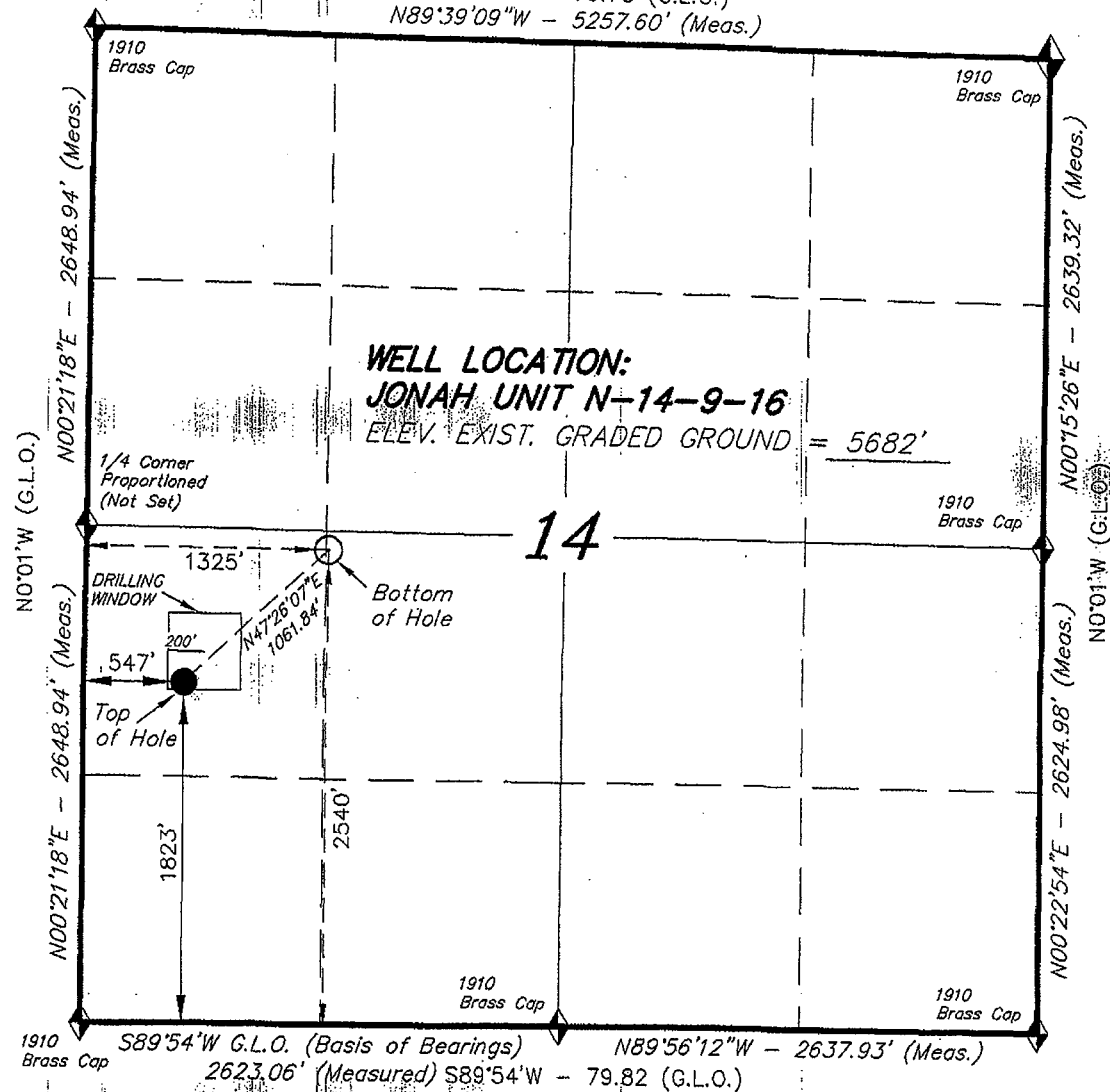
DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

S89°59'W - 79.78 (G.L.O.)
N89°39'09"W - 5257.60' (Meas.)

WELL LOCATION, JONAH UNIT N-14-9-16,
LOCATED AS SHOWN IN THE NW 1/4 SW
1/4 OF SECTION 14, T9S, R16E, S.L.B.&M.
DUCHESE COUNTY, UTAH



THIS IS TO CERTIFY THAT THE ABOVE WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.
REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT N-14-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 42.85"
LONGITUDE = 110° 05' 38.56"

TRI STATE LAND SURVEYING & CONSULTING			
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078			
(435) 781-2501			
DATE SURVEYED:	03-05-08	SURVEYED BY:	
DATE DRAWN:	04-22-08	DRAWN BY:	
REVISED:		SCALE:	1" = 1000'



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 7, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Jonah Federal N-14-9-16 Well, Surface Location 1823' FSL, 547' FWL, NW SW,
Sec. 14, T. 9 South, R. 16 East, Bottom Location 2540' FSL, 1325' FWL, NE SW,
Sec. 14, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34011.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Office



Operator: Newfield Production Company
Well Name & Number Jonah Federal N-14-9-16
API Number: 43-013-34011
Lease: UTU-096547

Surface Location: NW SW Sec. 14 T. 9 South R. 16 East
Bottom Location: NE SW Sec. 14 T. 9 South R. 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

RECEIVED
VERNAL FIELD OFFICE

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

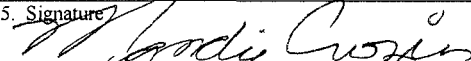
FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-096547
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Jonah Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Jonah Federal N-14-9-16
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-34011
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SW 1823' FSL 547' FWL At proposed prod. zone 2540' FSL 1325' FWL		10. Field and Pool, or Exploratory Monument Butte
14. Distance in miles and direction from nearest town or post office* Approximatley 17.2 miles southwest of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 14, T9S R16E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 1325' f/lease, 2540' f/unit	16. No. of Acres in lease 600.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1474'	19. Proposed Depth 6005'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5682' GL	22. Approximate date work will start* 4th Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

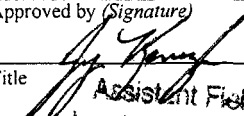
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 6/20/08
---	--	-----------------

Title
Regulatory Specialist

Approved by (Signature) 	Name (Printed/Typed) J. Kenzaka	Date AUG 25 2008
Title Assistant Field Manager	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED

SEP 16 2008

DIV. OF OIL, GAS & MINING

NOSD512-2008

AFMSS# 08PPO805A

4006M

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company
Well No: Jonah Federal N-14-9-16
API No: 43-013-34011

Location: NWSW, Sec. 14, T9S, R16E
Lease No: UTU-096547
Agreement: Jonah Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

STIPULATIONS:

- There is a Golden eagle nest approximately 0.39 miles west of the proposed project area. With this occurrence there will be a timing restriction during construction and drilling activities to minimize disturbance to Golden eagle nesting from February 1 – July 15.
- There is a Great horned owl nest approximately 0.38 miles north of the proposed project area. With this occurrence there will be a timing restriction during construction and drilling activities to minimize disturbance to Great-horned owl nesting from February 1 – May 15.

Lease Notices from RMP:

- The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

Comments:

- GIS data show the project area is within Mountain plover habitat. Given that the project area will be directionally drilled from an existing location and no new ground disturbance is proposed then no timing restrictions were applied to the proposed project.
- If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist should be notified so surveys can be conducted. Depending upon results of the survey, permission to proceed may or may not be recommended or granted.

Follow-up Actions and/or Recommendations:

- Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) should require additional surveys and clearances.

CONDITIONS OF APPROVAL:

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.
- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.

- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim Reclamation:

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1st until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	¼ - ½"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	½"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	½"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	½"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	½"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	⅛ - ¼"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

- Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.
- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the

application of herbicides, pesticides, or other possibly hazardous chemicals.

- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural topology, topsoil shall be respread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

None

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

^{Spud}
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig _____
Name/# Ross #21 Submitted By Alvin
Nielsen Phone Number 435-823-
7468
Well Name/Number Jonah Fed N-14-9-
16
Qtr/Qtr NW/SW Section 14 Township T9S
Range R16E
Lease Serial Number UTU
096547
API Number 43-013-
34011

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11/10/08 9:00 AM ☒
PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 11/10/08 3:00 AM ☐
PM ☒

BOPE

☐ Initial BOPE test at surface casing point

- ☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks Ross Rig # 21 spud the Jonah Fed N-14-9-16 on
11/10/08 @ 9:00 AM & Run casing around 3:00 PM 11/10/08.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
ADDRESS: **RT. 3 BOX 3630**
MYTON, UT 84062

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					Q1	SC	TP	RG	COUNTY		
A	99999	17211	4301333996	FEDERAL 10-20-8-16	NWSE	20	8S	16E	DUCHESNE	11/7/2008	11/25/08
WELL & COMMENTS: GRRV											
B	99999	12391	4301333736	GREATER BOUNDARY FEDERAL 2-19-8-17	NWNE	19	8S	17E	DUCHESNE	11/7/2008	11/25/08
WELL & COMMENTS: GRRV											
A	99999	17212	4301333993	FEDERAL 12-20-8-16	NWSW	20	8S	16E	DUCHESNE	11/1/2008	11/25/08
WELL & COMMENTS: GRRV											
A	99999	17213	4304739672	FEDERAL 4-28-9-18	NWNW	28	9S	18E	UINTAH	11/8/2008	11/25/08
WELL & COMMENTS: GRRV											
B	99999	11492	4301334011	JONAH FEDERAL N-14-9-16	NWSW	14	9S	16E	DUCHESNE	11/10/2008	11/25/08
WELL & COMMENTS: GRRV BHL = NESW											
B	99999	12391	4301333736	GREATER BOUNDARY FEDERAL 7-19-8-17	SWNE	19	8S	17E	DUCHESNE	11/10/2008	11/25/08
WELL & COMMENTS: GRRV											

ACTION CODES (See instructions on back of form)

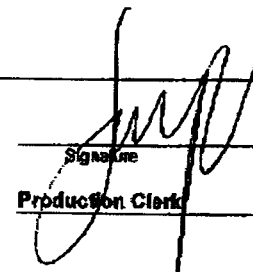
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new existing entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

NOV 13 2008

DIV. OF OIL, GAS & MINING

Signature: 
Jenri park
Production Clerk
Date: 11/13/08

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 840523b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 14 T9S R16E

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No.

USA UTU-096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

JONAH UNIT

8. Well Name and No.

JONAH N-14-9-16

9. API Well No.

4301334011

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11/10/08 MIRU Ross # 21. Spud well @ 9:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 325.46 KB. On 11/16/08 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 9 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Ryan Crum

Signature

Title

Drilling Foreman

Date

11/17/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

NOV 19 2008

DIV OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 325.46

LAST CASING 8.625 SET AT 325.46
 DATUM 12 KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 320 LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Exploration Company
 WELL JONAH N-14-9-16
 FIELD/PROSPECT Mon. Butte
 CONTRACTOR & RIG # Ross Rig # 21

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
2		Shoe and Baffle Plate					1.85
7		8 5/8" Surface Casing	24	J-55	8 round		313.61
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			315.46
TOTAL LENGTH OF STRING		315.46	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			325.46
TOTAL		313.61	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		313.61	7				
TIMING							
BEGIN RUN CSG.	Spud		11/10/2008	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE	5:00 PM		11/10/2008	Bbls CMT CIRC TO SURFACE <u>9</u>			
BEGIN CIRC	7:16 AM		11/16/2008	RECIPROCATED PIPE <u>No</u>			
BEGIN PUMP CMT	7:35 AM		11/16/2008	BUMPED PLUG TO <u>119</u>			
BEGIN DSPL. CMT	7:48 AM		11/16/2008				
PLUG DOWN	7:55 AM		11/16/2008				

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
middle of first top of second and third for a total of three	

COMPANY REPRESENTATIVE Ryan Crum DATE 11/16/2008

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 14 T9S R16E

5. Lease Serial No.

USA UTU-096547

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
JONAH UNIT

8. Well Name and No.
JONAH N-14-9-16

9. API Well No.
4301334011

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11-19-08 MIRU NDSI Rig # 2. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 279'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6150'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 152 jt's of 5.5 J-55, 15.5# csgn. Set @ 6137' / KB. Cement with 280 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 98,000 #'s tension. Release rig @ 5:30 AM on 11/25/08.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Ryan Crum
Signature

Title

Drilling Foreman

Date

11/25/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

RECEIVED

DEC 01 2008

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET @ 6137.62

LAST CASING: 8-5/8" SET @ 325.46
 DATUM (KB) 12
 DATUM TO CUT OFF CASING 12
 DATUM TO BRADENHEAD FLANGE 12
 DRILLER TD 6130 LOGGER TD 6143
 HOLE SIZE 7-7/8" TOP FLOAT COLLAR @ 6094.95

OPERATOR: Newfield Production Company
 WELL: Jonah Fed N-14-9-16
 FIELD/PROSPECT: Monument Butte
 CONTRACTOR & RIG #: NDSI # 2

TOP SHORT JT @ 3742.04 Short jt=6.64

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Landing Jt	15.5#	J-55	8rd	A	14
152	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	6082.95
1	5 1/2"	FLOAT COLLAR	-	-	-	A	0.6
1	5 1/2"	LT&C CASING	15.5#	J-55	8rd	A	41.42
1	5 1/2"	GUIDE SHOE					0.65

TOTAL LENGTH OF STRING	6139.62
(-) LANDING JT	14
(-) AMOUNT CUTOFF	0
(+) KB ELEVATION	12
CASING SET DEPTH	6137.62

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	6139.62	153
LESS NON CSG. ITEMS	15.25	-
PLUS FULL JTS. LEFT OUT	157.59	4
TOTAL	6281.96	157
TOTAL CSG. DEL. (W/O THRS)	6281.96	157

COMPARE (SHOULD BE EQUAL)

CEMENT DATA		TIME	DATE
BEGIN RUN CSG.		7:30 PM	11/24/2008
CSG. IN HOLE		11:30 PM	11/24/2008
BEGIN CIRC		12:00 AM	11/25/2008
BEGIN PUMP CMT		1:10 AM	11/25/2008
BEGIN DSPL. CMT		1:55 AM	11/25/2008
PLUG DOWN		2:17 AM	11/25/2008

GOOD CIRC THRU JOB: Yes
 Bbls CMT CIRC TO SURFACE: 40
 RECIPROCATED PIPE: No
 DID BACK PRES. VALVE HOLD ? yes
 BUMPED PLUG TO: 1970 PSI

CEMENT USED

CEMENT COMPANY:		BJ	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1 (lead)	280	Premium Lite II cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5 lbs/sack Cello	
		Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate	
		+ 5 lbs/sack CSE-2 + 204.7% Fresh Water	
2 (tail)	425	(50:50) Poz (Fly Ash): Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5%	
		bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium	
		Metasilicate + 54.7% Fresh Water	

CENTRALIZER & SCRATCHER PLACEMENT (SHOW MAKE & SPACING)

Centralizers - Middle first, top second & third. Then every third collar for a total of 20.

COMPANY REPRESENTATIVE Ryan Crum

DATE 11/25/2008

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-096547

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:
JONAH UNIT

8. WELL NAME and NUMBER:
JONAH N-14-9-16

9. API NUMBER:
4301334011

1. TYPE OF WELL:
OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE:

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 14, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/15/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 12/29/08, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 01/15/2009

(This space for State use only)

RECEIVED

JAN 21 2009

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

JONAH N-14-9-16**10/1/2008 To 2/28/2009****12/8/2008 Day: 1****Completion**

Rigless on 12/7/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6040' cement top @ 136'. Perforate stage #1. A3 sds @ 5187-5200' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 52 shots. 145 BWTR. SIFN.

12/13/2008 Day: 2**Completion**

Rigless on 12/12/2008 - RU BJ Services "Ram Head" frac flange. RU BJ & Lone Wolf WLT, crane & lubricator. Frac A3 sds, stage #1 down casing w/ 54,910#'s of 20/40 sand in 381 bbls of Lightning 17 frac fluid. Open well w/ 54 psi on casing. Perfs broke down @ 3953 psi. Pump 30 gals of Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2380 @ ave rate of 23.1 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 1379. Pump lost transmission when spotting acid. Couldn't flush frac. Flow well back. Flowed 150 bbls & died w/ still good sand for volume (show of oil & gas). RD BJ & WLT. SIFN. MIRUSU, Nabors 823.

12/16/2008 Day: 3**Completion**

Nabors #823 on 12/15/2008 - Thaw well out. Open well w/ 125 psi on casing. RD Cameron BOP's. Instal Scheafer BOP's. Tally, pickup & TIH w/ NC, new J-55, 2-7/8", 6.5# tbg off racks. EOT @ 3100' (100) jts in. Circulate well clean. SIFN.

12/17/2008 Day: 4**Completion**

Nabors #823 on 12/16/2008 - Thaw well out. Open well w/ 0 psi on casing. TIH w/ tbg. Tag sand @ 5136'. Circulate well clean 2 time going in hole due to sand & oil. Circulate well clean. TOO H w/ tbg. RU hot oiler w/ 20 stds left. Circulate well clean of oil. SIFN.

12/18/2008 Day: 5**Completion**

Nabors #823 on 12/17/2008 - Thaw well out. Open well w/ 0 psi on casing. TOO H w/ tbg. RD Scheafer BOP's. NU Cameron BOP's. RU BJ Services "Ram Head" frac flange. RU Lone Wolf WLT, crane & lubricator. RIH w/ 5-1/2" Weatherford (6K) composite flow through frac plug & 7' perf gun. Set plug @ 5068'. Perforate B1 sds @ 4970-77' w/ 3-1/8" Slick Guns (.23 gram, .35" HE, 120°) w/ 4 spf for total of 28 shots. RU BJ & perfs broke down @ 2404 psi. 3248 psi @ 18 bpm after 32 bbls. Displace pad. RU WLT. Reperforate zone w/ 4 spf for total of 28 more shots. RU BJ & frac B1 sds, stage #2 down casing w/ 24,046#'s of 20/40 sand in 667 bbls of Lightning 17 frac fluid. Perfs broke down @ 2774 psi. Pump 30 gals of Techna Hib 767 chemical @ 4% by volume. Treated @ ave pressure of 2400 w/ ave rate of 22 bpm w/ 6 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2107. 1093 bbls EWTR. Leave pressure on well. RU WLT. RIH w/ frac plug & 6' perf gun. Set plug @ 4900'. Perforate C sds @ 4866-72' w/ 4 spf for total of 24 shots. RU BJ & frac stage #3 w/ 24,952#'s of 20/40 sand in 359 bbls of Lightning 17 frac fluid. Perfs broke down @ 4143 psi. Pump 30 gals of Techna Hib 767 chemical @ 4% by volume. Treated @ ave pressure of 2506 w/ ave rate of 28 bpm w/ 6 ppg of sand. Spot 6 bbls of 15% HCL acid in flush for next stage. ISIP was 1670. 1452 bbls EWTR. Leave pressure on well. SIFN.

12/19/2008 Day: 6**Completion**

Nabors #823 on 12/18/2008 - Stage #4, D1 sands. Thaw wellhead & BOPs. RU Lone Wolf WLT & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 15' perf gun. Set plug @ 4780'. Perforate D1 sds @ 4692-4707' w/ 3 1/8" slick guns (22.7 gram, .36" HE, 120°, 35.63" pen, EXP-3323-316T Titan) w/ 4 spf for total of 60 shots. RU BJ Services. 334 psi on well. Frac D1 sds w/ 55,615#'s of 20/40 sand in 492 bbls of Lightning 17 fluid. Broke @ 3340 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1705 psi @ ave rate of 22.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #5. ISIP 1924 psi. Leave pressure on well. 1944 BWTR Stage #5, GB2, GB4, GB6 sds. RU Lone Wolf WLT & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug. Set plug @ 4300'. Perforate GB6 sds @ 4226-34', GB4 sds @ 4184-96' & GB2 sds @ 4123-30' w/ 3 1/8" slick guns (22.7 gram, .36" HE, 120°, 35.63" pen, EXP-3323-316T Titan) w/ 4 spf for total of 108 shots (2 runs). RU BJ Services. 1225 psi on well. Frac GB sds w/ 65,538#'s of 20/40 sand in 570 bbls of Lightning 17 fluid. Broke @ 2721 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 1731 psi @ ave rate of 22.2 BPM. ISIP 2036 psi. 2514 BWTR. Flow back immediately @ 3 BPM starting w/ 30/64" choke. Well flowed for 4 hours & turned to oil & gas. Recovered 504 bbls.

12/20/2008 Day: 7**Completion**

Nabors #823 on 12/19/2008 - RU wireline truck. Set composite kill plug @ 4090'. RD wireline truck. Bleed off well. ND Cameron BOP & 5m frac head. NU 3m production head & Shaffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 2 7/8" tbg. Tag CBP @ 4090'. Circulate well clean. Pull up to 4060'. SWIFN.

12/23/2008 Day: 8**Completion**

Nabors #823 on 12/22/2008 - Thaw well out. Open well w/ 0 psi on casing. RU swivel, pump & lines. Drlg out kill plug. TIH w/ tbg to tag sand (35'). Drlg out plug @ 4300'. TIH w/ tbg to tag sand (130'). Drlg out plug @ 4780'. TIH w/ tbg to tag sand (54'). Drlg out plug @ 5068'. Circulate well clean. EOT @ 5076'. SIFN.

12/24/2008 Day: 9**Completion**

Nabors #823 on 12/23/2008 - Thaw well out. Open well w/ 300 psi on casing. RU swivel, pump & lines. TIH w/ tbg to tag sand 5198'. C/O sand to PBD @ 6095'. LD 2 stds. RU swab equipment. IFL was surface. FFL was 400'. Made 11 runs to rec'd 88 bbls fluid. SIFN.

12/25/2008 Day: 10**Completion**

Nabors #823 on 12/24/2008 - Thaw well out. Open well w/ 325 psi on casing. Well flowed 32 bbls & turned to oil. Pump 230 bbls water to kill well. TOOH w/ tbg. LD Mill & sub. TIH w/ NC, 2 jts tbg, SN, 1 jt tbg, TA new CDI w/ 45,000#'s shear, 156 jts tbg. RD BOP's. Set TA @ 5176' in 18,000#'s tension w/ SN @ 5207' & EOT @ 5269'. SIFN.

12/30/2008 Day: 11**Completion**

Nabors #823 on 12/29/2008 - Thaw well out. Open well w/ 650 psi on casing. Flush tbg w/ 60 bbls water. Pickup & prime pump. TIH w/ 2-1/2" x 1-3/4" x 16' x 18' new CDI RHAC pump w/ 170"SL, 4- 1-1/2" weight rods, 203- 7/8" guided (8 per) rods, 2', 8' x 7/8" pony rod, 1-1/2" x 26' polished rod. Space pump. Test tbg & pump to 800 psi. RDMOSU. POP @ 4 PM w/ 122" SL @ 4 SPM. Final Report.

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. UTU-096547							
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____		6. If Indian, Allottee or Tribe Name NA							
2. Name of Operator NEWFIELD EXPLORATION COMPANY		7. Unit or CA Agreement Name and No. JONAH							
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202		8. Lease Name and Well No. JONAH FEDERAL N-14-9-16							
3a. Phone No. (include area code) (435)646-3721		9. AFI Well No. 43-013-34011							
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1823' FSL & 548' FWL (NW/SW) SEC. 14, T9S, R16E At top prod. interval reported below 2540' FSL & 1325' FWL (NE/SW) SEC. 14, T9S, R16E At total depth 6180' 2647 fml 1464 fwl per HSM review		10. Field and Pool or Exploratory MONUMENT BUTTE							
14. Date Spudded 11/10/2008		11. Sec., T., R., M., on Block and Survey or Area SEC. 14, T9S, R16E							
15. Date T.D. Reached 11/24/2008		12. County or Parish DUCHESENE							
16. Date Completed 11/29/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		13. State UT							
17. Elevations (DF, RKB, RT, GL)* 5682' GL 5694' KB									
18. Total Depth: MD 6150' TVD 6028' 07		19. Plug Back T.D.: MD 6095' TVD 5949							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND							
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#		325.46'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#		6137'		280 PRIMLITE		136'	
						425 CLASS G			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	EOT@ 5269'	TA @5176'							
25. Producing Intervals									
Formation	Top	Bottom	Perforation Record	Size	No. Holes	Perf. Status			
A) GREEN RIVER			(A3) 5187-5200'	.49"	4	52			
B) GREEN RIVER			(B1) 4970-4977'	.49"	4	28			
C) GREEN RIVER			(C) 4866-4872'	.49"	4	24			
D) GREEN RIVER			(D1) 4692-4707'	.49"	4	60			
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
5187-5200'	Frac w/ 54910# of 20/40 sand 381 bbls fluid								
4970-4977'	Frac w/ 24046# 20/40 sand 667 bbls fluid								
4866-4872'	Frac w/ 24952# 20/40 sand 359 bbls fluid								
4692-4707'	Frac w/ 55615# 20/40 sand 492 bbls fluid								
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/29/08	01/12/09	24	→	138	57	78			2-1/2" x 1-3/4" x 16' x 18' RHAC Pump w/ sm plunger
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3629' 3846'
				GARDEN GULCH 2 POINT 3	3959' 4243'
				X MRKR Y MRKR	4442' 4527'
				DOUGALS CREEK MRK BI CARBONATE MRK	4649' 4899'
				B LIMESTON MRK CASTLE PEAK	5019' 5531'
				BASAL CARBONATE TOTAL DEPTH (LOGGERS)	5998' 6143'

32. Additional remarks (include plugging procedure):

(GB6) 4226-34' (GB4) 4184-4196' (GB2) 4123-4130' .49" 4/108 (2 RUNS) 4123-4234' Frac w/ 65538#'s of 20/40 sand in 570 bbls of fluid

33. Indicate which items have been attached by placing a check in the appropriate boxes:

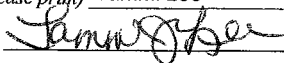
- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Tammi Lee

Title Production Clerk

Signature



Date 11/15/2008

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)



**Scientific
Drilling**

Directional Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621 Fax (307) 472-5439

Operator	<u>Newfield Exploration Co.</u>
Well Name & No.	<u>Jonah Unit N-14-9-16</u>
County & State	<u>Duchesne County, UT</u>
SDI Job No.	<u>42DEF0811973</u>
Rig	<u>NDSI 2</u>

I, Julie Cruse, having personal knowledge of all the facts, hereby
certify that the attached directional survey run from a measured depth of 0 feet to a
measured depth of 6150 feet is true and correct as determined from all available records.

Julie Cruse
Signature

25-Nov-08
Date

Julie Cruse
Rockies Region Engineer
Scientific Drilling - Rocky Mountain District



Scientific Drilling
Rocky Mountain Operations

Project: Duchesne County, UT NAD83 UTC

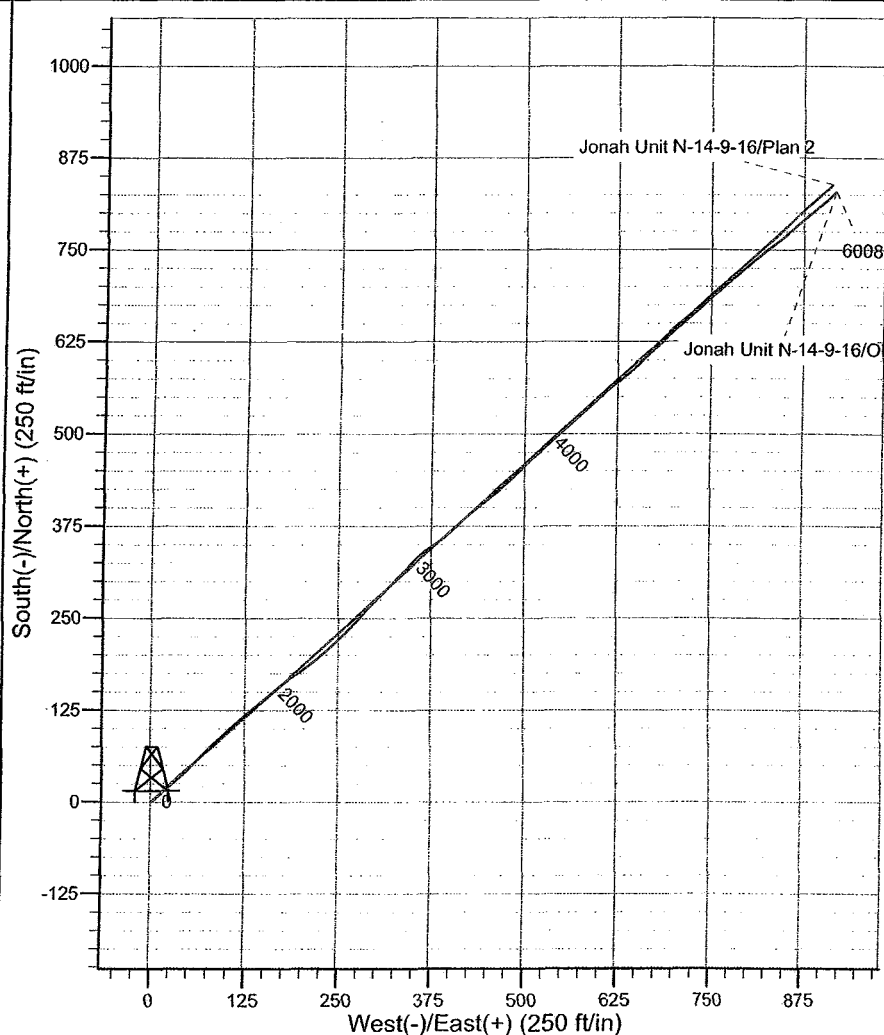
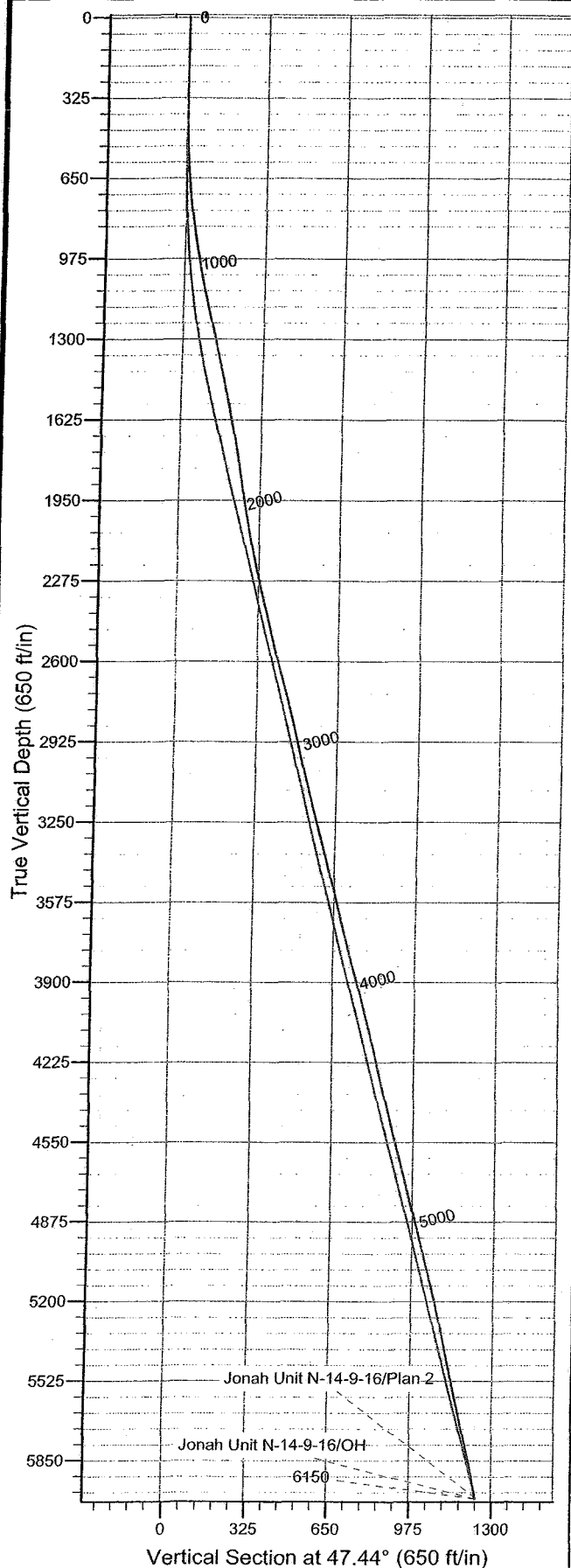
Site: Jonah Unit

Well: Jonah Unit N-14-9-16

Wellbore: OH

Design: OH

Newfield Exploration Co.



WELL DETAILS: Jonah Unit N-14-9-16

+N/-S	+E/-W	Ground Level: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)		Latitude	Longitude
		Northing	Easting		
0.00	0.00	7182238.66	2034099.46	40° 1' 42.850 N	110° 5' 38.560 W

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Jonah Unit N-14-9-16, True North
 Vertical (TVD) Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
 Section (VS) Reference: Slot - (0.00N, 0.00E)
 Measured Depth Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
 Calculation Method: Minimum Curvature
 Local North: True
 Location: Sec 5 T9S R17E

PROJECT DETAILS: Duchesne County, UT NAD83 UTC

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Utah Central Zone

Design: OH (Jonah Unit N-14-9-16/OH)

Created By: Gregg Detweiler Date: 2008-11-25



Newfield Exploration Co.

Duchesne County, UT NAD83 UTC

Jonah Unit

Jonah Unit N-14-9-16

OH

Design: OH

Standard Survey Report

25 November, 2008



Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
MD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Project	Duchesne County, UT NAD83 UTC		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Jonah Unit, Sec 5 T9S R17E			
Site Position:		Northing:	7,195,384.71 ft	Latitude: 40° 3' 51.060 N
From:	Lat/Long	Easting:	2,044,880.81 ft	Longitude: 110° 3' 17.240 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence: 0.93 °

Well	Jonah Unit N-14-9-16, 1823' FSL 547' FWL Sec 14 T9S R16E			
Well Position	+N/-S	0.00 ft	Northing:	7,182,238.66 ft
	+E/-W	0.00 ft	Easting:	2,034,099.46 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft	Ground Level: 5,682.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	2008-11-19	11.64	65.85	52,536

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	47.44	

Survey Program	Date 2008-11-25				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
354.00	6,150.00	Survey #1 - 7 7/8" Hole (OH)	MWD	MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
354.00	0.10	183.12	354.00	-0.31	-0.02	-0.22	0.03	0.03	0.00
First MWD Survey									
385.00	0.10	200.67	385.00	-0.36	-0.03	-0.26	0.10	0.00	56.61
416.00	0.53	58.89	416.00	-0.31	0.09	-0.15	1.97	1.39	-457.35
446.00	1.17	56.46	446.00	-0.07	0.46	0.29	2.14	2.13	-8.10
477.00	1.69	52.97	476.99	0.38	1.09	1.06	1.70	1.68	-11.26
508.00	2.37	56.04	507.97	1.01	1.98	2.15	2.22	2.19	9.90
538.00	3.12	53.18	537.93	1.85	3.15	3.57	2.54	2.50	-9.53
569.00	3.69	48.45	568.88	3.02	4.57	5.41	2.05	1.84	-15.26
600.00	4.15	48.45	599.80	4.42	6.16	7.53	1.48	1.48	0.00
631.00	4.71	51.72	630.71	5.95	8.00	9.92	1.98	1.81	10.55
661.00	5.24	45.77	660.60	7.67	9.95	12.52	2.46	1.77	-19.83

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
MD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
692.00	5.80	48.46	691.46	9.70	12.13	15.50	1.99	1.81	8.68
723.00	6.38	45.14	722.28	11.95	14.53	18.78	2.19	1.87	-10.71
754.00	6.96	45.77	753.07	14.48	17.09	22.38	1.89	1.87	2.03
784.00	7.49	49.17	782.83	17.02	19.88	26.15	2.27	1.77	11.33
815.00	7.92	49.82	813.55	19.72	23.04	30.31	1.42	1.39	2.10
845.00	8.27	49.78	843.25	22.45	26.26	34.53	1.17	1.17	-0.13
876.00	8.69	49.05	873.91	25.42	29.73	39.10	1.40	1.35	-2.35
907.00	9.09	49.64	904.54	28.54	33.37	43.89	1.32	1.29	1.90
938.00	9.92	48.40	935.12	31.90	37.23	49.00	2.76	2.68	-4.00
970.00	10.63	46.36	966.60	35.77	41.43	54.71	2.49	2.22	-6.37
1,002.00	11.26	44.31	998.02	40.04	45.75	60.78	2.31	1.97	-6.41
1,034.00	11.71	42.73	1,029.38	44.66	50.13	67.14	1.72	1.41	-4.94
1,065.00	12.11	42.67	1,059.71	49.37	54.47	73.51	1.29	1.29	-0.19
1,097.00	12.55	42.16	1,090.97	54.41	59.08	80.32	1.42	1.37	-1.59
1,129.00	13.07	41.76	1,122.18	59.69	63.82	87.38	1.65	1.62	-1.25
1,160.00	13.52	42.42	1,152.35	64.98	68.60	94.48	1.53	1.45	2.13
1,192.00	13.56	44.34	1,183.46	70.42	73.75	101.95	1.41	0.12	6.00
1,224.00	13.53	45.31	1,214.57	75.74	79.03	109.44	0.72	-0.09	3.03
1,255.00	13.41	45.23	1,244.71	80.82	84.16	116.65	0.39	-0.39	-0.26
1,287.00	13.49	45.94	1,275.84	86.03	89.48	124.09	0.57	0.25	2.22
1,319.00	13.60	47.71	1,306.95	91.15	94.94	131.59	1.34	0.34	5.53
1,351.00	13.50	48.16	1,338.06	96.18	100.51	139.08	0.45	-0.31	1.41
1,382.00	13.46	48.16	1,368.20	101.00	105.89	146.31	0.13	-0.13	0.00
1,414.00	13.35	48.50	1,399.33	105.93	111.43	153.73	0.42	-0.34	1.06
1,446.00	13.11	48.57	1,430.48	110.78	116.92	161.05	0.75	-0.75	0.22
1,477.00	13.01	48.63	1,460.68	115.41	122.18	168.05	0.33	-0.32	0.19
1,509.00	12.87	48.50	1,491.87	120.15	127.55	175.22	0.45	-0.44	-0.41
1,541.00	12.59	48.79	1,523.08	124.81	132.84	182.27	0.90	-0.87	0.91
1,573.00	12.27	48.27	1,554.33	129.37	138.00	189.15	1.06	-1.00	-1.62
1,604.00	11.67	48.06	1,584.66	133.66	142.79	195.58	1.94	-1.94	-0.68
1,636.00	11.18	48.09	1,616.02	137.90	147.51	201.92	1.53	-1.53	0.09
1,668.00	10.93	49.42	1,647.43	141.94	152.12	208.05	1.12	-0.78	4.16
1,700.00	10.62	50.26	1,678.86	145.80	156.69	214.03	1.09	-0.97	2.62
1,731.00	10.25	50.06	1,709.35	149.40	161.01	219.64	1.20	-1.19	-0.65
1,763.00	10.09	50.26	1,740.85	153.02	165.34	225.28	0.51	-0.50	0.62
1,795.00	9.60	50.86	1,772.38	156.49	169.57	230.75	1.56	-1.53	1.87
1,826.00	9.42	51.55	1,802.95	159.70	173.56	235.86	0.69	-0.58	2.23
1,858.00	9.54	52.97	1,834.51	162.93	177.73	241.11	0.82	0.37	4.44
1,889.00	9.70	54.56	1,865.08	165.99	181.91	246.26	1.00	0.52	5.13
1,921.00	9.99	55.95	1,896.61	169.11	186.40	251.68	1.17	0.91	4.34
1,953.00	10.04	55.77	1,928.12	172.23	191.01	257.18	0.18	0.16	-0.56
1,985.00	10.13	56.61	1,959.62	175.35	195.67	262.72	0.54	0.28	2.62
2,017.00	10.14	55.86	1,991.13	178.48	200.35	268.29	0.41	0.03	-2.34
2,048.00	10.53	53.84	2,021.62	181.68	204.89	273.80	1.72	1.26	-6.52
2,080.00	10.44	51.59	2,053.09	185.21	209.52	279.60	1.31	-0.28	-7.03
2,112.00	10.76	51.45	2,084.54	188.87	214.13	285.47	1.00	1.00	-0.44
2,144.00	11.04	49.76	2,115.96	192.71	218.81	291.51	1.33	0.87	-5.28
2,175.00	11.64	49.19	2,146.36	196.67	223.44	297.60	1.97	1.94	-1.84
2,207.00	11.96	48.24	2,177.68	200.99	228.36	304.14	1.17	1.00	-2.97
2,239.00	12.17	48.02	2,208.98	205.46	233.34	310.83	0.67	0.66	-0.69
2,270.00	12.55	47.72	2,239.26	209.91	238.26	317.47	1.24	1.23	-0.97
2,302.00	13.04	46.33	2,270.46	214.74	243.44	324.55	1.81	1.53	-4.34
2,333.00	13.55	45.66	2,300.63	219.69	248.57	331.68	1.72	1.65	-2.16
2,365.00	14.02	46.10	2,331.71	225.00	254.04	339.30	1.50	1.47	1.37

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
MD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,397.00	14.59	44.60	2,362.72	230.56	259.67	347.20	2.12	1.78	-4.69
2,428.00	14.57	43.62	2,392.72	236.16	265.10	354.99	0.80	-0.06	-3.16
2,460.00	14.48	42.84	2,423.70	242.01	270.59	363.00	0.67	-0.28	-2.44
2,492.00	13.74	41.73	2,454.73	247.78	275.84	370.77	2.46	-2.31	-3.47
2,523.00	13.48	41.42	2,484.86	253.23	280.69	378.02	0.87	-0.84	-1.00
2,555.00	13.43	42.75	2,515.98	258.76	285.68	385.44	0.98	-0.16	4.16
2,587.00	13.53	44.23	2,547.10	264.17	290.81	392.88	1.12	0.31	4.62
2,618.00	13.52	44.41	2,577.24	269.36	295.87	400.12	0.14	-0.03	0.58
2,650.00	14.51	43.93	2,608.29	274.92	301.27	407.85	3.11	3.09	-1.50
2,682.00	15.53	44.06	2,639.20	280.88	307.03	416.13	3.19	3.19	0.41
2,713.00	16.02	44.89	2,669.03	286.90	312.94	424.55	1.74	1.58	2.68
2,745.00	15.70	44.52	2,699.81	293.11	319.09	433.28	1.05	-1.00	-1.16
2,777.00	15.60	44.58	2,730.62	299.26	325.15	441.90	0.32	-0.31	0.19
2,809.00	15.57	43.95	2,761.45	305.42	331.15	450.49	0.54	-0.09	-1.97
2,840.00	14.80	42.96	2,791.36	311.31	336.73	458.59	2.62	-2.48	-3.19
2,872.00	13.87	42.23	2,822.37	317.14	342.10	466.48	2.96	-2.91	-2.28
2,904.00	13.52	42.28	2,853.46	322.75	347.19	474.03	1.09	-1.09	0.16
2,936.00	14.07	44.09	2,884.53	328.31	352.41	481.64	2.18	1.72	5.66
2,967.00	14.55	47.68	2,914.57	333.64	357.91	489.29	3.25	1.55	11.58
2,999.00	13.95	51.94	2,945.59	338.73	363.92	497.16	3.77	-1.87	13.31
3,031.00	13.24	55.24	2,976.69	343.19	369.97	504.63	3.29	-2.22	10.31
3,062.00	13.45	56.78	3,006.86	347.19	375.90	511.71	1.33	0.68	4.97
3,094.00	13.99	54.69	3,037.94	351.47	382.17	519.22	2.29	1.69	-6.53
3,126.00	14.53	51.40	3,068.96	356.21	388.47	527.06	3.04	1.69	-10.28
3,158.00	15.39	48.79	3,099.87	361.51	394.80	535.31	3.41	2.69	-8.16
3,190.00	15.35	46.59	3,130.73	367.22	401.07	543.79	1.83	-0.12	-6.87
3,221.00	14.78	45.13	3,160.66	372.83	406.85	551.84	2.21	-1.84	-4.71
3,253.00	14.41	45.60	3,191.63	378.49	412.59	559.90	1.21	-1.16	1.47
3,284.00	14.42	46.77	3,221.65	383.83	418.16	567.62	0.94	0.03	3.77
3,316.00	14.93	48.28	3,252.61	389.31	424.14	575.72	1.99	1.59	4.72
3,348.00	15.41	50.42	3,283.50	394.76	430.49	584.09	2.30	1.50	6.69
3,379.00	15.25	51.37	3,313.39	399.93	436.85	592.27	0.96	-0.52	3.06
3,411.00	14.94	51.40	3,344.29	405.13	443.37	600.58	0.97	-0.97	0.09
3,443.00	14.37	51.10	3,375.25	410.20	449.68	608.66	1.80	-1.78	-0.94
3,474.00	14.02	50.96	3,405.30	414.98	455.59	616.25	1.13	-1.13	-0.45
3,506.00	13.67	50.10	3,436.37	419.84	461.50	623.89	1.27	-1.09	-2.69
3,538.00	14.44	48.57	3,467.41	424.91	467.39	631.66	2.67	2.41	-4.78
3,570.00	15.35	47.45	3,498.34	430.41	473.51	639.89	2.98	2.84	-3.50
3,601.00	15.38	46.36	3,528.23	436.03	479.50	648.10	0.94	0.10	-3.52
3,633.00	14.47	45.91	3,559.15	441.74	485.45	656.34	2.87	-2.84	-1.41
3,665.00	13.70	44.97	3,590.19	447.20	491.00	664.12	2.51	-2.41	-2.94
3,696.00	13.30	44.92	3,620.33	452.32	496.11	671.35	1.29	-1.29	-0.16
3,728.00	13.94	45.34	3,651.43	457.64	501.45	678.88	2.02	2.00	1.31
3,760.00	14.52	46.94	3,682.45	463.09	507.12	686.74	2.19	1.81	5.00
3,792.00	14.96	48.07	3,713.40	468.58	513.12	694.88	1.64	1.37	3.53
3,823.00	14.52	48.18	3,743.38	473.85	519.00	702.77	1.42	-1.42	0.35
3,855.00	13.87	47.37	3,774.40	479.12	524.81	710.62	2.12	-2.03	-2.53
3,887.00	14.54	47.19	3,805.42	484.45	530.58	718.47	2.10	2.09	-0.56
3,918.00	15.48	47.77	3,835.36	489.87	536.50	726.50	3.07	3.03	1.87
3,950.00	15.64	48.17	3,866.19	495.62	542.87	735.08	0.60	0.50	1.25
3,982.00	15.21	47.72	3,897.04	501.32	549.19	743.59	1.39	-1.34	-1.41
4,014.00	14.52	47.15	3,927.97	506.87	555.24	751.80	2.20	-2.16	-1.78
4,045.00	13.79	47.06	3,958.02	512.03	560.79	759.38	2.36	-2.35	-0.29
4,077.00	13.96	46.79	3,989.09	517.27	566.40	767.06	0.57	0.53	-0.84

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
MD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,109.00	14.18	47.94	4,020.13	522.54	572.12	774.84	1.11	0.69	3.59
4,141.00	14.79	47.59	4,051.11	527.92	578.05	782.84	1.93	1.91	-1.09
4,172.00	15.20	47.42	4,081.06	533.34	583.96	790.86	1.33	1.32	-0.55
4,204.00	15.17	47.57	4,111.94	539.01	590.14	799.24	0.15	-0.09	0.47
4,236.00	14.23	47.46	4,142.89	544.49	596.13	807.36	2.94	-2.94	-0.34
4,267.00	13.50	47.41	4,172.99	549.51	601.60	814.79	2.36	-2.35	-0.16
4,299.00	12.54	46.43	4,204.17	554.44	606.87	822.00	3.08	-3.00	-3.06
4,330.00	12.67	47.81	4,234.42	559.04	611.82	828.76	1.06	0.42	4.45
4,362.00	13.04	49.45	4,265.62	563.74	617.17	835.88	1.62	1.16	5.12
4,394.00	13.45	51.41	4,296.77	568.41	622.82	843.20	1.90	1.28	6.12
4,425.00	13.56	52.25	4,326.91	572.89	628.51	850.42	0.73	0.35	2.71
4,457.00	13.63	51.03	4,358.01	577.55	634.41	857.92	0.92	0.22	-3.81
4,489.00	13.21	49.09	4,389.14	582.32	640.10	865.34	1.92	-1.31	-6.06
4,521.00	13.01	47.61	4,420.30	587.14	645.53	872.60	1.22	-0.62	-4.62
4,552.00	13.04	46.49	4,450.51	591.90	650.64	879.58	0.82	0.10	-3.61
4,584.00	12.93	44.74	4,481.69	596.93	655.78	886.77	1.28	-0.34	-5.47
4,616.00	13.46	43.77	4,512.84	602.16	660.88	894.06	1.79	1.66	-3.03
4,647.00	14.25	45.31	4,542.94	607.45	666.08	901.47	2.81	2.55	4.97
4,679.00	14.46	47.31	4,573.94	612.93	671.82	909.41	1.68	0.66	6.25
4,711.00	14.48	47.81	4,604.93	618.33	677.72	917.40	0.40	0.06	1.56
4,743.00	14.18	47.96	4,635.93	623.64	683.60	925.32	0.94	-0.94	0.47
4,774.00	13.65	47.56	4,666.02	628.65	689.12	932.78	1.74	-1.71	-1.29
4,806.00	13.46	47.59	4,697.13	633.71	694.65	940.28	0.59	-0.59	0.09
4,838.00	13.84	47.71	4,728.23	638.80	700.23	947.83	1.19	1.19	0.37
4,869.00	14.03	47.39	4,758.31	643.83	705.74	955.29	0.66	0.61	-1.03
4,901.00	14.24	47.44	4,789.35	649.12	711.50	963.11	0.66	0.66	0.16
4,933.00	14.07	46.87	4,820.37	654.44	717.23	970.93	0.69	-0.53	-1.78
4,965.00	14.03	46.40	4,851.42	659.78	722.88	978.70	0.38	-0.12	-1.47
4,996.00	13.99	46.73	4,881.49	664.94	728.33	986.20	0.29	-0.13	1.06
5,028.00	13.97	48.08	4,912.55	670.17	734.02	993.93	1.02	-0.06	4.22
5,060.00	13.89	48.16	4,943.61	675.31	739.76	1,001.64	0.26	-0.25	0.25
5,092.00	14.05	48.37	4,974.66	680.46	745.52	1,009.36	0.52	0.50	0.66
5,123.00	14.16	47.61	5,004.72	685.51	751.13	1,016.92	0.69	0.35	-2.45
5,155.00	14.77	47.52	5,035.71	690.90	757.03	1,024.91	1.91	1.91	-0.28
5,187.00	15.48	47.65	5,066.60	696.54	763.20	1,033.26	2.22	2.22	0.41
5,218.00	15.77	48.94	5,096.46	702.09	769.43	1,041.61	1.46	0.94	4.16
5,250.00	14.68	48.76	5,127.33	707.62	775.76	1,050.01	3.41	-3.41	-0.56
5,282.00	13.42	47.16	5,158.37	712.82	781.53	1,057.78	4.12	-3.94	-5.00
5,313.00	13.17	47.51	5,188.54	717.65	786.77	1,064.90	0.85	-0.81	1.13
5,345.00	13.22	49.21	5,219.70	722.50	792.23	1,072.21	1.22	0.16	5.31
5,377.00	12.31	50.27	5,250.91	727.07	797.63	1,079.27	2.94	-2.84	3.31
5,408.00	11.81	50.44	5,281.22	731.21	802.61	1,085.74	1.62	-1.61	0.55
5,421.46	11.78	50.48	5,294.40	732.96	804.74	1,088.49	0.26	-0.25	0.28
JU N-14-9-16 Target									
5,440.00	11.73	50.53	5,312.55	735.36	807.65	1,092.26	0.26	-0.25	0.28
5,472.00	11.88	50.18	5,343.87	739.54	812.69	1,098.80	0.52	0.47	-1.09
5,504.00	12.16	49.16	5,375.17	743.85	817.77	1,105.46	1.10	0.87	-3.19
5,535.00	11.89	49.34	5,405.49	748.06	822.66	1,111.91	0.88	-0.87	0.58
5,567.00	11.78	49.06	5,436.81	752.35	827.63	1,118.47	0.39	-0.34	-0.87
5,599.00	11.71	50.97	5,468.14	756.54	832.62	1,124.98	1.23	-0.22	5.97
5,630.00	11.55	51.16	5,498.51	760.47	837.48	1,131.21	0.53	-0.52	0.61
5,662.00	11.83	51.80	5,529.84	764.50	842.55	1,137.68	0.96	0.87	2.00
5,694.00	11.83	52.11	5,561.16	768.55	847.72	1,144.22	0.20	0.00	0.97
5,726.00	11.78	52.30	5,592.48	772.56	852.89	1,150.74	0.20	-0.16	0.59
5,757.00	12.18	51.39	5,622.81	776.53	857.95	1,157.16	1.43	1.29	-2.94

Scientific Drilling

Survey Report

Company: Newfield Exploration Co.
Project: Duchesne County, UT NAD83 UTC
Site: Jonah Unit
Well: Jonah Unit N-14-9-16
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Jonah Unit N-14-9-16
TVD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
MD Reference: GL 5682' & RKB 12' @ 5694.00ft (NDSI 2)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,789.00	12.52	50.90	5,654.07	780.83	863.28	1,163.99	1.11	1.06	-1.53
5,821.00	12.68	50.69	5,685.30	785.24	868.69	1,170.96	0.52	0.50	-0.66
5,853.00	13.02	49.50	5,716.50	789.81	874.15	1,178.07	1.35	1.06	-3.72
5,884.00	12.75	49.34	5,746.72	794.30	879.40	1,184.98	0.88	-0.87	-0.52
5,916.00	12.08	50.23	5,777.97	798.75	884.65	1,191.85	2.18	-2.09	2.78
5,948.00	11.85	49.35	5,809.27	803.03	889.72	1,198.48	0.92	-0.72	-2.75
5,979.00	11.84	48.09	5,839.61	807.23	894.50	1,204.84	0.83	-0.03	-4.06
6,011.00	11.32	48.01	5,870.96	811.52	899.28	1,211.26	1.63	-1.62	-0.25
6,043.00	10.35	47.30	5,902.39	815.57	903.73	1,217.28	3.06	-3.03	-2.22
6,075.00	9.93	46.21	5,933.89	819.43	907.83	1,222.91	1.44	-1.31	-3.41
6,099.00	9.60	46.03	5,957.54	822.25	910.76	1,226.98	1.38	-1.37	-0.75
6,150.00	9.60	46.03	6,007.83	828.16	916.89	1,235.48	0.00	0.00	0.00

Projection to TD

Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
JU N-14-9-16 Target	0.00	0.00	5,300.00	718.20	782.09	7,182,969.06	2,034,870.17	40° 1' 49.948 N	110° 5' 28.505 W
- actual wellpath misses target center by 27.60ft at 5421.45ft MD (5294.39 TVD, 732.96 N, 804.73 E)									
- Circle (radius 75.00)									
JU N-14-9-16 PBHL	0.00	0.00	6,005.00	718.19	782.12	7,182,969.05	2,034,870.20	40° 1' 49.948 N	110° 5' 28.505 W
- actual wellpath misses target center by 172.13ft at 6099.00ft MD (5957.54 TVD, 822.25 N, 910.76 E)									
- Circle (radius 75.00)									

Checked By: _____ Approved By: _____ Date: _____